

# Medicare Hospital INFORMATION

## Report

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# MEDICARE HOSPITAL INFORMATION

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Volume 25

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MINNESOTA

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U.S. Department of Health and Human Services

WILLIAM TOBY

*Acting Administrator*

Health Care Financing Administration

# STATES BY VOLUME

| VOL | STATE                             | VOL | STATE                         |
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| 3   | ARIZONA                           | 30  | NEVADA                        |
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| 5   | CALIFORNIA (Part 1)               | 32  | NEW JERSEY                    |
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| 7   | COLORADO                          | 34  | NEW YORK                      |
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# FOREWORD

The mission of the Health Care Financing Administration (HCFA) is to promote the timely delivery of appropriate, quality health care to the nation's aged, disabled, and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

To that end, the annual release of the Medicare Hospital Information report is a key element in our continuing efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. It is also an important step in helping beneficiaries make more informed health care decisions.

The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"—that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital. We also expect this information to be used by hospital administrators, physicians, peer review organizations, State survey and certification agencies, and researchers.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to the rate that would have been predicted, given what we know about the characteristics of the patients admitted?" Our basic approach to analyzing hospital mortality information has remained unchanged for the past five years; however, since the last publication of mortality information in May 1991, we have made some significant changes both in our methodology and in the way we display the results of our analysis. The four principal changes in the 1992 report are:

- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for Federal fiscal years 1988-1990 at 30, 90, and 180 days;
- The addition of information on certain variables that we use in computing the predicted mortality rates for each hospital;
- The addition of information on the geographic origin of each hospital's patients; and

- A comparison of the average length of stay in each hospital with the average for the State and Nation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed by a panel of outside experts. The methodology used to calculate the observed mortality rate, the predicted mortality rate, and the standard deviation are briefly described in the Technical Information section of the Introduction to this volume and in more detail in the Technical Supplement (Volume 55).

We acknowledge the assistance we have received from the American Hospital Association—not only for providing the information detailing selected hospital characteristics, but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to review the data thoroughly and to provide us with comments and suggestions. As before, we have published individual hospitals' comments in their respective State volumes. Over the years, these communications have helped to improve and refine the information included in this publication.

HCFA is committed to improving the Medicare Hospital Information report. To that end, we are continuing to work with representatives of hospital, consumer, employer and other organizations to make this annual report as useful as possible for all consumers.

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# INTRODUCTION

The Medicare Hospital Information report contains information on acute care hospitals that treated Medicare patients discharged in Federal fiscal year (FY) 1990 (October 1, 1989—September 30, 1990).

This year's publication set consists of 54 State volumes and a Technical Supplement (Volume 55). There is one volume per State, except that California and Texas have two volumes each, Hawaii is combined with American Samoa and Guam, and Puerto Rico and the Virgin Islands are combined together in one volume.

Each hospital's two summary data pages are arranged alphabetically by hospital name in each State volume. These data pages consist of:

- The hospital's FY 1990 Medicare hospital mortality rates;
- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for FYs 1988—1990 at 30, 90, and 180 days;
- The FY 1990 values for selected explanatory factors used to predict the mortality rates;
- Origins and lengths of stays of Medicare admissions; and
- Hospital characteristics, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey, Certification and Reporting System (OSCAR) file.

*Please note that the information regarding origins and lengths of stays and hospital characteristics are presented strictly for information purposes only. They were not used to calculate the hospital's predicted mortality rates.*

Toward the end of each volume, we include both State and national mortality rates developed by our analysis, as well as the comments we received from individual hospitals.

## DESCRIPTION OF MORTALITY INFORMATION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the four prior years. Only one hospitalization for every patient was used. As in last year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay was selected at random to be analyzed. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients.

Although we publish data only on deaths which occur within 180 days of admission to the hospital, for purposes of analysis our methodology actually considers deaths which occur any time within 365 days of admission (with the exception that no date of death later than April 1, 1991 is used). This is part of the formula which assesses the long-term risk of mortality. With this approach, information about the early and later results of the hospitalization is provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term effects. The choice of at least 180 days allows substantial followup consistent with timely reporting of HCFA data.

We again analyzed the data on a fiscal year, rather than on a calendar year, basis because it allows us to report on recent hospitalizations. Also, new Medicare rules are often instituted on a fiscal year basis.

For each hospital, mortality rates are presented for overall Medicare patient mortality and for eight medical conditions and nine procedures. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate.

The following information will be helpful when reviewing specific information for any given hospital.

## *Number Of Cases*

This is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases randomly selected for each hospital is presented under the category "All Causes." The eight medical condition and nine surgical procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight medical condition categories, that same patient may also appear in one or more of the nine surgical procedure categories. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight medical condition categories.

The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories do not cover the reason for admission of all the hospitalized Medicare patients in this study. (The ICD-9-CM codes included in each condition and procedure category appear in Table 1 following this Introduction section.)

These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; they do not necessarily represent the cause of death. HCFA does not have access to cause of death information.

## *Observed Mortality Rate (OBS)*

The observed mortality rate for each category is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90, or 180 days of the selected admission. This rate does **not** represent the percentage whose death was caused by a particular condition or procedure.

The percentage is rounded to the nearest one-tenth of one percent. Both inhospital deaths and deaths occurring after discharge but within 30, 90, or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent.

It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission.

### *Predicted Mortality Rate (PRED)*

The predicted mortality rate for each hospital's patients is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics such as:

- Principal diagnosis (grouped into 23 analytical risk categories),
- Age,
- Sex,
- Previous hospital admissions within the prior six months,
- Admission source (e.g., physician reference, skilled nursing facility reference),
- Admission type (e.g., elective or emergency), and
- The presence of up to seven comorbid conditions—cancer, chronic cardiovascular disease, chronic renal disease, chronic liver disease, chronic pulmonary disease, cerebrovascular degeneration, and chronic diabetes. A list of the ICD-9-CM codes defining the comorbid conditions is in Table 2 following this Introduction section.

### *Standard Deviation (SD)*

The standard deviation is a tool to gauge the extent to which the difference between the observed and predicted mortality rate is meaningful. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for possible concern about the institution's performance.

Information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED is included in the Technical Information section of this Introduction. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, dashes ("---") are placed in the SD column.

## **OBSERVED MORTALITY RATE AND PREDICTED RANGE FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

Also in this year's report, we have presented graphs that display the information for most hospitals described above for FYs 1988 and 1989, as well as FY 1990. (In particular, these graphs could not be computed for hospitals that had 50 or fewer cases or no deaths in FYs 1988, 1989, or 1990). In constructing the graphs, we used 2 times the standard deviation to approximate a 95 percent prediction interval. The observed mortality is shown as a dot (•). The predicted mortality is shown at the middle of a range of mortality rates. The bottom of the range is the predicted mortality minus twice the standard deviation, and the top of the range represents the predicted mortality plus twice the standard deviation. The graphs for FY 1988 and FY 1989 are based on new random samples and new computations for this year's report. Thus, the calculations for some hospitals for FY 1988 and FY 1989 may be different from previous releases, because we are including more current data in this year's report.

## **FY 1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

This year's report includes the FY 1990 average at each hospital of many of the explanatory factors used to predict that hospital's mortality rates. This information provides a profile of the patients used in the analysis and should help to identify possible systematic coding errors in the claims data used to calculate the mortality rates. These percentages are derived from the patients included in the sample and should be applied to the total number of cases listed in "All Causes." It is important to note that neither the admission sources/types nor the comorbidities categories are mutually exclusive. For example, a patient could be both "referred by his personal physician" and "admitted for elective procedure." Similarly, a patient could have secondary diagnoses of both cancer and diabetes.

## **INFORMATION SOURCES AND NOTES**

We believe that when the mortality rate information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital—postadmission mortality for Medicare beneficiaries.

Mortality information is not necessarily representative of a hospital's total performance in all aspects of patient care. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because its patient mix is not fully accounted for by the model.

Accordingly, we offered each hospital the opportunity to review their specific information and to provide comments to HCFA and the public, and we included those comments that were received timely at the end of this volume. Users should read the discussions about the uses and limitations of the mortality information found on page xiii, as well as any comments a hospital may have provided.

### *Hospitals In The Analysis*

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities—all have a zero in the third position of their Medicare provider number. All other hospitals—those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions—were excluded. This year, as in the past two years, we have also excluded hospices.

In some cases, we have included data for hospitals that closed, changed ownership, or changed management either during or subsequent to FY 1990. Our data included for those institutions reflects the situation as it existed at the time the hospitalizations analyzed occurred.

### *Data Sources*

This report is based primarily on Medicare hospital billing information for Federal fiscal years 1988, 1989, and 1990. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file, which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the inpatient care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1991 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year), 98 percent of all Medicare discharges in FY 1990 are included in the file.

### *Possible Limitations Of The Data*

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. For example, last year some hospitals had not accurately reported the source or type of admission, and thus erroneous information was included in the analysis for those hospitals. However, the fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information that might be

missing or inaccurate is such a small portion of the total that it would have little effect on the results for national estimates. Nevertheless, it may substantially affect an individual hospital if it were the source of the inaccurate information.

While we feel that the information used in this analysis is thorough and complete, there are a few points to keep in mind as you review the mortality information.

The information used is billing data; it is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

For example, following last year's public release of the hospital mortality data, several hospitals wrote to HCFA indicating that they had submitted incorrect data. Furthermore, they stated that if they had given us the correct information, their predicted mortality rates would have been higher than those presented in HCFA's report. Therefore, in this year's report we have annotated those hospitals' data pages with a footnote stating: "This hospital says that it submitted inaccurate data to Medicare and claims that its predicted mortality rate should be higher than that presented above." At this point, however, HCFA cannot confirm the validity of those hospitals' claims. The analysis results might very well be different if the data on which they were based were submitted accurately by those hospitals.

In our previous analysis of mortality data, we discovered that some States had zero admissions from a skilled nursing facility. While some of these problems were corrected on the MEDPAR files used for this analysis, at the time this study was initiated we found empirical evidence that some of the files still contained suspect information. The suspect data were identified by noting those months (date of discharge) and fiscal intermediaries for which the type and source of admission fields appeared to be interchanged. Based on our findings, we reversed these fields to at least partially correct the remaining discrepancies. The following list shows the specific instances for which the fields were reversed for this analysis.

#### TYPE AND SOURCE OF ADMISSION FLIPPED

| <u>FI No.</u> | <u>FI Name</u>         | <u>Dates</u>        |
|---------------|------------------------|---------------------|
| 00030         | Arizona Blue Cross     | 10/01/86 — 12/31/88 |
| 00080         | Maryland Blue Cross/DC | 06/01/87 — 09/30/87 |
| 00190         | Maryland Blue Cross    | 06/22/87 — 12/31/88 |
| 00400         | Texas Blue Cross       | 12/07/87 — 12/31/88 |

## HOW TO USE THIS INFORMATION

There are several key points to remember about the use of this information. **First, it is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this report may not be a direct measure of the quality of care rendered in the hospitals.**

Second, the usefulness of this information depends upon the accuracy with which mortality rates can be predicted. We do not currently have any direct measurement tool with which we can fully adjust for severity of patient illness differences among hospitals. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex, and several other factors. This might happen because one hospital's stroke patients may consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population may represent a broader spectrum of patients with cerebrovascular problems, or because these two hospitals, in fact, do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that the information presented in this publication is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including consumers, hospital administrators, physicians, PROs, and researchers.

### *Use By Consumers — Some Key Questions*

Consumers should read carefully the explanations of the uses and limitations of the information. Listed below are some questions that we recommend a consumer think about before choosing a hospital. Please keep in mind that this is not a comprehensive list, but it should serve to illustrate the types of questions that are important to consider.

- Why are the hospital's observed mortality rates for "All Causes" consistently and significantly above the predicted rates for FY 1990?
- Why are the hospital's observed mortality rates for the condition for which I need treatment or the procedure I will undergo consistently and significantly above the predicted rates for FY 1990?
- How does this hospital's pattern of mortality compare with that of other hospitals in the State and Nation?

- Is the number of cases too small to present a satisfactory picture of the hospital?
- Does the hospital treat a large number of cases in the category for which I need treatment?
- Does the hospital treat a large number of patients who have several co-existing illnesses or who otherwise are likely to be “sicker” than average?

### *Other Users Of This Publication*

Among other users of this publication, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. We know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are seeking information that will result in improved health care delivery.

### *Outside Assistance In Developing This Publication*

The development and presentation of the Medicare Hospital Information report continues to be an important part of HCFA's responsibilities in the health care community. To make the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rates significantly exceed the rates that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information reports. Many suggestions from these sources have been incorporated into this report.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies rarely had an effect on a hospital's overall mortality rate. Most of these instances fell into the following two broad categories.

- **Inaccurate Date of Death** — We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was “expired” when the patient had, in fact, left the hospital alive) created many of these errors. We now have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.
- **Discrepant Case Counts** — Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this report.

*We believe it is important for consumers of health care to have access to as much information about hospitals as possible when making health care choices. Along with hospital characteristics information, we have added this year information about the origin and length of stay of Medicare admissions. This information is presented for comparative purposes only and was not used in calculating a hospital's predicted mortality rates. These data were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates.*

## ORIGIN OF MEDICARE ADMISSIONS

Data on the geographic origin of each hospital's patients are presented in this year's report. We obtained from the Health Insurance Master file the State and county of residence for each Medicare beneficiary discharged from a Medicare-certified, acute care hospital during FY 1990. We then compared that information with the location of the hospital to determine the percentage of all discharges where the patient lived within the same city/county as the hospital location, within the State where the hospital is located, or outside the State. The percentages are derived by dividing the number of discharges of beneficiaries in a geographic category by the total number of Medicare discharges from the hospital. Please note that these are percentages of total Medicare discharges, not of the mortality sample alone.

## MEDICARE AVERAGE LENGTH OF STAY

We obtained from the MEDPAR file the total days of care—both Medicare covered and noncovered—and divided that total by the number of discharges from each hospital. Total, rather than covered, days were used because, under the Prospective Payment System (PPS), if a Medicare patient has at least one day of hospital coverage available to him in the current spell of illness, the hospital will be paid the full diagnosis related group (DRG) amount plus any approved outlier amount, regardless of the number of days actually used.

Example: Hospital A had 2,513 Medicare discharges with a total of 24,379 days.

Calculation: 
$$\frac{24,379}{2,513} = 9.7 \text{ days}$$

The Medicare average length of stay is 9.7 days.

## HOSPITAL CHARACTERISTICS

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals, with the exception of the case mix index (CMI), which was derived from HCFA billing data. This file consists of information voluntarily reported by hospitals to the AHA. In instances where AHA data were unavailable, for example for hospitals that did not respond to the AHA survey, we derived the information from HCFA's Online Survey, Certification and Reporting system (OSCAR). The hospital characteristics and the specific special services listed were selected with the concurrence of the AHA as being those most meaningful to the Medicare population. Information on these specific data elements follows.

### *AHA Definitions (except for CMI)*

**Survey and Year** — AHA 1990. Source is the American Hospital Association's 1990 Annual Survey of Hospital files.

### **Profile**

**Total beds (#)** — Number of beds (including subacute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

**Occupancy rate (percent)** — Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

**Ownership/control** — State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

**Medicare discharges** — The total number of inpatient discharges for Medicare patients for those hospitals selected for the mortality calculations, including all discharges for persons with more than one hospitalization during the year. (The mortality data include only one randomly selected discharge for each hospitalized enrollee. Therefore, this figure may reflect more discharges than the actual number of cases randomly selected for the mortality study.)

**Case mix index (CMI)** — A measure of the overall complexity of the Medicare cases treated by a given hospital compared to the complexity of the national average case mix. The CMI represents the relative costliness of each hospital's mix of cases compared to the national average mix of cases. A CMI of greater than one means that a hospital treats more complex cases than average. A CMI of less than one means that a hospital treats less complex cases than average. The CMI for each hospital is calculated on an annual basis. In this report, the CMI presented for each hospital is calculated based on its discharges in FY 1990.

A hospital's CMI is calculated by multiplying the number of cases in each DRG by the relative weight of that DRG, summing the products, and dividing the sum by the total number of cases for the year. For calculating the FY 1990 CMI, use the DRG relative weights published in the *Federal Register*, Volume 54, Number 169, pages 36468 ff., dated September 1, 1989.

## **Staffing (all AHA counts are as of 9/30/90)**

**Total number of physicians** — Total active and associate medical staff.

**Percent of physicians who are board-certified specialists** — Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

**Medical residents/interns** — Full-time equivalent (FTE) medical residents or interns.

**Registered nurses** — Full-time equivalent (FTE) registered nurses.

**Licensed practical nurses** — Full-time equivalent (FTE) licensed practical nurses.

## **Specialty Services**

**Burn Unit** — Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

**Cardiac Intensive Care** — Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel, and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure,

open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

***Comprehensive Geriatric*** — Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. It includes the assessment of medical conditions, functional activities, and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

***Hospice Care*** — A program providing primarily medical relief of pain and support services to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

***Medical/Surgical Intensive Care*** — Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel, and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not approved in a distinct cardiac care unit. This category is called "intensive care unit" in OSCAR.

***Organ/Tissue Transplant*** — The hospital has the necessary staff and equipment to perform the surgical removal of a viable human organ or tissue from a donor, either living or deceased, and the surgical grafting of the organ/tissue to a suitably evaluated and prepared patient.

***Other Intensive Care*** — Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

***Trauma Center*** — Provides emergency and specialized intensive care to critically injured patients.

## Other Specialty/Hospital-Based Services

***Alcohol/Drug*** — Hospital services for the medical care and/or rehabilitative treatment of outpatients whose primary diagnosis is alcoholism or other chemical dependency.

***Rehabilitation*** — A unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

***Psychiatric*** — Care provided to emotionally disturbed, chronically mentally ill, mentally disordered, or other mentally incompetent patients on the basis of physicians' orders and approved nursing care plans. Beds must be set up and staffed in units specifically designated for this service.

***Medicare Swing Beds*** — The hospital is certified by Medicare to provide "swing bed" services; that is, some acute care beds can be used for skilled nursing facility type care in the hospital for Medicare purposes.

## *OSCAR Definitions (except for CMI)*

**Survey and Year** — HCFA, most recent year. Data were derived from the Online Survey, Certification and Reporting System (OSCAR).

## Profile

***Total beds (#)*** — Total number of operational beds eligible for Medicare payment.

***Ownership/control*** — Church; private, nonprofit; other nonprofit; proprietary; Federal Government; State government; local government; and hospital district or authority.

***Case mix index (CMI)*** — See definition shown in AHA "Profile" section.

## Staffing

***Medical residents/interns*** — Full-time equivalent (FTE) medical residents or interns.

***Registered nurses*** — Full-time equivalent (FTE) registered nurses.

***Licensed practical nurses*** — Full-time equivalent (FTE) licensed practical nurses.

## Specialty Services

**NOTE:** There are no specific definitions of specialty services in OSCAR. Characteristics are self-reported by each hospital at initial Medicare certification and recertification, and are generally understood to parallel the explicit AHA definitions (above). The AHA categories “comprehensive geriatric” and “other intensive care” are not available in OSCAR. However, they may be included in the OSCAR category of other specialty services (not shown in table).

**Coronary Care** — See definition shown in AHA “Specialty Services” section.

**Intensive Care Unit** — See definition shown in AHA “Specialty Services” section. These units may also include other intensive care units in OSCAR reporting.

**Organ Transplant** — See definition shown in AHA “Organ/Tissue Transplant” section. May include tissue transplants because there is not a separate field in OSCAR for these services.

# TECHNICAL INFORMATION

## DATA SOURCES

The data analyzed in this report are obtained from the Medicare Provider Analysis and Review (MEDPAR) file for the fiscal years 1987-1990, which contains information on the hospital stays of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex, and date of death, which are obtained from the Social Security Administration, the Railroad Retirement Board, or the Office of Personnel Management.

Hospital stays with discharges in fiscal years 1988, 1989, and 1990 were used in these analyses. Hospital stays in 1987 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute care hospital stays in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospital stays in institutions (designated by a "9" in the fourth position of the provider number) and hospital stays in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units (with "special unit codes" of S, T, U and V, respectively, in the third position) were excluded.

## THE MORTALITY MODEL

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospital stays were analyzed separately by analytical category. The analytical categories were created by grouping ICD-9-CM diagnosis codes that had similar mortality patterns. The procedures for creating the analytical categories and the groups of ICD-9-CM diagnosis codes that defined them are detailed in the Technical Supplement.

The mortality experience of the patients was evaluated as a function of time within 365 days of the admission. The factors included in the mortality model used to evaluate each patient's probabilities of death are given in Table 3. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to

complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the 6 months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure," Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

## ANALYTIC TECHNIQUES

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study April 1, 1991 or at the end of the followup period of 365 days.

The survival function,  $S(t)$ , is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function,  $h(t)$ , also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = - \frac{1}{S(t)} \frac{dS(t)}{dt} = - \frac{d \ln(S(t))}{dt}.$$

The probability density function,  $f(t)$ , commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for  $t$ . In some cases, the area under the survival curve is restricted to an interval  $0-t_1$  where  $t_1$  might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \dots + \alpha_i x_i + \dots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \dots + \gamma_i x_i + \dots + \gamma_k x_k)$$

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \dots + \delta_i x_i + \dots + \delta_k x_k)$$

are the expressions for each of the structural parameters  $\alpha$ ,  $\gamma$ , and  $\delta$  in terms of the  $k$  concomitant variables  $x_i$  and their associated component parameters  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  for  $i=1, 2, \dots, k$  and three intercepts or component parameters  $\alpha_0$ ,  $\gamma_0$ , and  $\delta_0$ . The structural parameter  $\delta$  is the long-term risk which is approached as  $t \rightarrow \infty$ . The structural parameter  $\alpha$  is the initial excess risk which decays with rate constant  $\gamma$ .

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk,  $\delta$ . The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta.$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ( $p < 0.05$ ) influences of the probability of death were identified for inclusion in the model. As the model for each of the 23 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 900 cases (more than 300 for codes identified by year). Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  have been estimated, the predicted probability of patient death at any specified time after admission,  $1-S(t)$ , may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytical categories are useful for grouping the patients into relatively risk-homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables and defined in Table 1 were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

## ESTIMATION OF THE STANDARD DEVIATION FOR PREDICTED MORTALITY

The standard deviation of the predicted mortality rate is used to assess how statistically different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed,  $P$ , and predicted,  $\hat{\Theta}$ , mortality rates.

The residual has four components  $V_1$ ,  $V_2$ ,  $V_3$ , and  $V_4$  where  $V_1$  is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included in the present analysis.

$V_2$  is the binomial variance for  $n$  patients

$$V_2 = \frac{\hat{\Theta} (1 - \hat{\Theta})}{n}.$$

$V_3$  is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\text{Var}}(\hat{\Theta}) = \left(1 - \frac{1}{n}\right) M_2(\hat{\Theta})$$

where

$$\widehat{M_2(\Theta)} = \left\{ \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\}^2 \left( \frac{1}{z_p^2} \right)$$

The quantity  $z_p$  corresponds to the statistical significance (p-value) of the hospital-specific effect.

$V_4$  is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ (\text{Observed mortality}) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

## STANDARDIZED MORTALITY RATIO (SMR)

Another method of evaluating a hospital's performance—the Standardized Mortality Ratio (SMR)—is obtained by dividing the observed mortality rate by the predicted mortality rate. An SMR of one means the observed and predicted mortality are equal. A ratio greater than one means the observed mortality exceeds the predicted. A ratio less than one means the observed mortality is less than expected. The more extreme the ratio (significantly greater than one indicating unusually high mortality and significantly less than one indicating unusually low mortality), the greater the attention which should be paid to the results of this mortality report.

For each of the conditions and procedures, selected percentiles for the observed distribution of the SMR are displayed in Table 4. The selected percentiles provide benchmarks for comparison. For example, for a hospital

with 300 cases in the "All Causes" category, with observed mortality of 12.2 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 12.2/10.0 = 1.22.$$

Note that an SMR of one means the observed and predicted mortality are equal, while a ratio greater than one means the observed mortality exceeds the predicted, and a ratio less than one means the observed mortality is less than expected. There will be greater interest in the more extreme ratios, either greater than one — excessively high mortality — or less than one — extremely low mortality.

From Table 4 for FY 1990, we find that the ratio is just below the 75th percentile of 1.23. Hence, slightly under 75 percent of the hospitals have an SMR less than that found at this hospital.

However, for a hospital with 900 cases in the "All Causes" category, with observed mortality of 19.3 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 19.3/10.0 = 1.93.$$

Since the SMR of 1.93 is greater than the 97.5 percentile of 1.35 (Table 4 for 750 or more cases), there is cause for concern. To further assess this, we examine the displayed data in terms of the measure of uncertainty, the standard deviation.

## MEASURES OF UNCERTAINTY

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table 5 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels of 75, 95 and 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table 5 exceeds the precision of the estimate of the standard deviation. Hence, the following rule-of-thumb represents an adequate approximation to the factors in Table 5 and an adequate guide to the **statistical meaningfulness** of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table 5, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent if the actual is less than the predicted. That is because  $22.9 \text{ percent} = 13.0 \text{ percent} + 1.98 \times 5.0 \text{ percent}$ , the factor 1.98 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Upper Bound," the row "75" for the number of cases, and, by interpolation, between the "10 percent" and the "20 percent" predicted mortality rate columns. Similarly,  $3.3 \text{ percent} = 13.0 \text{ percent} - 1.94 \times 5.0 \text{ percent}$ , the factor -1.94 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. Likewise, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

For the graphs, the observed mortality and an approximate 95 percent prediction interval are displayed. The prediction interval has bounds at the predicted mortality plus 2 times the standard deviation and at the predicted minus 2 times the standard deviation.

In the mortality rate tables, the observed and predicted mortality rates and the standard deviation as a measure for statistical importance of the difference are displayed for the overall and each of the conditions and procedures.

## HOW TO OBTAIN MEDICARE HOSPITAL INFORMATION

The publication has been widely distributed to State health organizations and hospital and medical associations. The publication is available to the public for purchase in 55 volumes, with each volume being sold separately through the Government Printing Office (GPO). More detailed information about the purchase of this publication may be obtained by contacting:

Superintendent of Documents  
Government Printing Office  
Washington, D.C. 20402  
Telephone: (202) 783-3238

As in prior years, the information appearing in the Medicare Hospital Information report is available in machine-readable/electronic format (tape and diskette). The Medicare Hospital Information public use file provides the published information as contained in the 55-volume hardcopy publication, except that the AHA's hospital characteristics are not on this file. Hospital characteristics from HCFA files (OSCAR) are provided instead. The files contain additional information which is useful for supplemental analyses: averages by hospital, MSA, and State for each of the variables used in the model, mortality rates for 15, 30, 60, 90 and 180 days, and cross-reference files which relate State, MSA, and ICD-9-CM codes used to a name. These data should allow analysts to assess an individual hospital's performance in comparison to all hospitals in the State or applicable MSA.

Also available to hospitals in machine-readable format is their patient-specific data that were used in the report. These data include the patient variables used in the analysis (e.g., the number and severity level of prior hospitalizations considered by the methodology, admission source and type, etc.) and the predicted probability of death at each time interval for each individual included in the study. With these data it is possible for hospitals to better understand their statistics. Due to confidentiality considerations, requests for patient-specific data must be forwarded on hospital letterhead, must include the institution's Medicare provider number, and must be signed by the hospital administrator.

For information about obtaining Medicare Hospital Information electronic media data, please contact HCFA's Bureau of Data Management and Strategy at:

Health Care Financing Administration  
Bureau of Data Management and Strategy  
Office of Statistics and Data Management  
3-A-10 Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207  
Telephone: (410) 597-5151

# Table 1

## DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation

### CONDITION/PROCEDURE

### ICD-9-CM CODES

(D)=Diagnosis code

(P)=Procedure code

### Heart Disorders/Procedures

Acute Myocardial Infarction  
(AMI)

All of 410 (D) (on 10/1/89 exclude 410 with 5th digit of a 2)

*Note: For code 410 a 5th digit was added on October 1, 1989.*

Congestive Heart Failure  
(CHF)

398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)

Angioplasty  
(ANGPLSTY)

All of 36.0 (P) excluding 36.00, 36.03, 36.04, 36.09 (all P)

*Note: Code 36.0 had a 4th digit added on October 1, 1986. Code 36.0 got digits of 0, 1, 2, 3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into 36.01 and 36.05, and some cases from 36.02 were put into 36.05.*

Coronary Artery Bypass Graft  
(CABG)

All of 36.1(P) and not Angioplasty (see above)

Pacemaker Insertion, Initial  
(PACE)

37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70 through 37.73) (all P)

*Note: Code 37.70 was restructured on October 1, 1987. Previously the code contained both leads and devices. On October 1 these were separated and devices were coded as 37.80 through 37.83, and codes for the leads were changed into various 37.70 codes.*

## CONDITION/PROCEDURE

## ICD-9-CM CODES

(D)=Diagnosis code

(P)=Procedure code

### Pulmonary Disorders

Pneumonia/Influenza  
(PNU)

All of 480, all of 481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)

Chronic Obstructive Pulmonary  
(COPD)

All of 491, all of 492, all of 494, Disease all of 496; and 466.0, 518.82, 518.5, and 786.09 when there is a secondary diagnosis of any 496 (all D)

*Note: Code 518.8 got a 5th digit on October 1, 1987. Some cases from 799.1 were put into codes 518.81 and 518.82.*

### Cerebrovascular Disorders/Procedures

Transient Cerebral Ischemia  
(TCI)

433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy at the time of admission—38.12(P)

Stroke  
(STK)

431, 434 through 434.9, 436 (all D)

Carotid Endarterectomy  
(ENDART)

38.12 (P) with 433.1 (D); 433.3 (D) or 435(D) as a principal diagnosis

### Musculoskeletal Disorders/Procedures

Fracture of Neck of Femur  
(FXHIP)

All of 820 (D)

Hip Replacement/Revision  
(HIPREP)

81.5, 81.6 (exclude 81.69) (all P). On 10/1/89 code 81.51 (P) through 81.53 (P) with same diagnoses.

Open Reduction of Fractured Femur  
(OPRDUX)

79.35(P) on condition of 820 (D) as principal diagnosis

**CONDITION/PROCEDURE****ICD-9-CM CODES***(D)=Diagnosis code**(P)=Procedure code***Genitourinary Disorders/Procedures**

Prostatectomy  
(PROS) 60.2, 60.3 through 60.69 (all P)

Hysterectomy  
(HYS) 68.3 through 68.7 (P)

**Gastrointestinal Disorders/Procedures**

Cholecystectomy  
(CHOLOTMY) 51.22 (P)

**Sepsis**

Sepsis 003.1, 020.2, 022.3, 036.2, 036.3,  
036.89, 036.9, 038.0, 038.1, 038.2,  
038.3, 038.40, 038.41, 038.42, 038.43,  
038.44, 038.49, 038.8, 038.9, 054.5

**Table 2**  
**COMORBIDITY CONDITIONS**  
(all are D codes)

| COMORBIDITY                    | ICD-9-CM CODES                                                                             |
|--------------------------------|--------------------------------------------------------------------------------------------|
| Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                           |
| Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                       |
| Chronic liver disease          | 571-572.8                                                                                  |
| Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93 |
| Chronic diabetes               | 250.01, 250.1-250.91                                                                       |
| Chronic pulmonary disease      | 491-493.91, 496                                                                            |
| Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                       |

# Table 3

## EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

### Demographics

SXFM                      An indicator variable: = 1 if Female, 0 otherwise

AGEFM = AGESP if SXFM = 1, 0 otherwise

AGEML = AGESP if SXFM = 0, 0 otherwise

where

$$\text{AGESP} = \text{sign}(W-65) \left( \left| \frac{W-65}{65} \right| \right)^{1.44}$$

and

$$W = \begin{cases} 23 & \text{if AGE} \leq 23 \\ \text{AGE} & \text{if } 23 < \text{AGE} < 100 \\ 100 & \text{if } 100 \leq \text{AGE} \end{cases}$$

### Comorbidities

### ICD-9-CM Codes

(Indicator variables = 1 if comorbidity present on current or prior admission with discharge within 6 months prior to current admission, 0 otherwise)

|     |                                |                                                                                            |
|-----|--------------------------------|--------------------------------------------------------------------------------------------|
| CCA | Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                           |
| CCV | Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                       |
| CLV | Chronic liver disease          | 571-572.8                                                                                  |
| CRN | Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93 |
| CDI | Chronic diabetes               | 250.01, 250.1-250.91                                                                       |
| COP | Chronic pulmonary disease      | 491-493.91, 496                                                                            |
| CCE | Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                       |

## Co Occurrence of Comorbidities

|         |                                       |
|---------|---------------------------------------|
| COP_CCV | 1 if COP = 1 and CCV = 1, 0 otherwise |
| CCA_CCV | 1 if CCA = 1 and CCV = 1, 0 otherwise |
| COP_CCA | 1 if COP = 1 and CCA = 1, 0 otherwise |
| CCE_CCV | 1 if CCE = 1 and CCV = 1, 0 otherwise |
| CRN_CCV | 1 if CRN = 1 and CCV = 1, 0 otherwise |

## Admission Sources and Types

(Indicator variables = 1 if source or type present, 0 otherwise)

|       |                                                   |
|-------|---------------------------------------------------|
| PREF  | Patient referred by personal or HMO physician     |
| TRSNF | Patient transferred from skilled nursing facility |
| ELCT  | Patient admitted for elective procedure           |
| EMRG  | Patient admitted for emergency                    |

## Co-Occurrence of Admission Source and Type

PREF\_ELEC = 1 if PREF = 1 and ELCT = 1, 0 otherwise

## Previous Hospitalizations

|         |                                                                                                             |
|---------|-------------------------------------------------------------------------------------------------------------|
| P_RISK1 | Number at 1st risk level with 3 or more set to 3                                                            |
| P_RISK2 | Number at 2nd risk level with 3 or more set to 3                                                            |
| P_RISK3 | Number at 3rd risk level with 3 or more set to 3                                                            |
| P_RISK4 | Number at 4th risk level with 4 or more set to 4                                                            |
| P_RISK5 | Number at 5th risk level with 3 or more set to 3                                                            |
| F(T)    | Probability of death from previous admission if discharge within 182 days of current admission, 0 otherwise |

## Time Trend

|        |                                                                                   |
|--------|-----------------------------------------------------------------------------------|
| FLAG89 | 1 if discharge in FY1989, 0 otherwise                                             |
| FLAG90 | 1 if discharge in FY1990, 0 otherwise                                             |
| INYEAR | Difference between current admission date and April 1 of fiscal year of discharge |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1990

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |       |       |       |       | 90 DAYS |       |       |       |       | 180 DAYS |       |       |       |       |
|--------------------------|---------------------------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
|                          |                           | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%     | 25%   | 50%   | 75%   | 97.5% |
|                          |                           | -----   | ----- | ----- | ----- | ----- | -----   | ----- | ----- | ----- | ----- | -----    | ----- | ----- | ----- | ----- |
| OVERALL( < 750 CASES )   | 2645                      | 0.45    | 0.88  | 1.04  | 1.23  | 1.72  | 0.56    | 0.90  | 1.03  | 1.17  | 1.54  | 0.61     | 0.90  | 1.02  | 1.15  | 1.46  |
| OVERALL( >= 750 CASES)   | 2684                      | 0.73    | 0.91  | 0.99  | 1.09  | 1.35  | 0.79    | 0.94  | 1.01  | 1.09  | 1.28  | 0.82     | 0.94  | 1.01  | 1.08  | 1.24  |
| CONDITIONS               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| AMI                      | 1405                      | 0.54    | 0.80  | 0.95  | 1.11  | 1.42  | 0.62    | 0.86  | 0.99  | 1.14  | 1.44  | 0.63     | 0.86  | 0.99  | 1.13  | 1.39  |
| CHF                      | 2335                      | 0.43    | 0.79  | 0.98  | 1.17  | 1.64  | 0.60    | 0.85  | 0.99  | 1.13  | 1.49  | 0.66     | 0.89  | 1.00  | 1.13  | 1.41  |
| PNEUMONIA/INFLUENZA      | 2428                      | 0.41    | 0.78  | 0.97  | 1.18  | 1.68  | 0.53    | 0.84  | 1.00  | 1.17  | 1.55  | 0.57     | 0.86  | 1.01  | 1.16  | 1.50  |
| COPD                     | 435                       | 0.00    | 0.63  | 0.97  | 1.34  | 2.06  | 0.30    | 0.78  | 1.02  | 1.26  | 1.74  | 0.40     | 0.82  | 1.01  | 1.24  | 1.69  |
| TRANS. CEREBRAL ISCHEMIA | 404                       | 0.00    | 0.00  | 0.83  | 1.34  | 3.20  | 0.00    | 0.48  | 0.85  | 1.31  | 2.27  | 0.21     | 0.60  | 0.90  | 1.21  | 2.05  |
| STROKE                   | 1789                      | 0.53    | 0.79  | 0.95  | 1.13  | 1.56  | 0.61    | 0.84  | 0.98  | 1.13  | 1.47  | 0.65     | 0.87  | 0.99  | 1.12  | 1.42  |
| HIP FRACTURE             | 1199                      | 0.21    | 0.67  | 0.93  | 1.27  | 2.10  | 0.40    | 0.76  | 0.94  | 1.19  | 1.80  | 0.47     | 0.78  | 0.97  | 1.16  | 1.64  |
| SEPSIS                   | 254                       | 0.51    | 0.79  | 0.96  | 1.12  | 1.50  | 0.65    | 0.86  | 0.99  | 1.13  | 1.47  | 0.69     | 0.89  | 1.01  | 1.15  | 1.44  |
| PROCEDURES               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| ANGIOPLASTY              | 425                       | 0.00    | 0.49  | 0.89  | 1.33  | 2.66  | 0.00    | 0.60  | 0.93  | 1.36  | 2.34  | 0.00     | 0.63  | 0.97  | 1.34  | 2.14  |
| CABG                     | 556                       | 0.20    | 0.68  | 1.03  | 1.39  | 2.45  | 0.28    | 0.73  | 1.00  | 1.32  | 2.09  | 0.28     | 0.73  | 1.01  | 1.30  | 2.10  |
| PACEMAKER                | 112                       | 0.00    | 0.41  | 0.72  | 1.37  | 3.25  | 0.20    | 0.61  | 0.90  | 1.21  | 2.17  | 0.21     | 0.65  | 0.84  | 1.16  | 1.87  |
| CAROTID ENDARTERECTOMY   | 73                        | 0.00    | 0.00  | 0.85  | 1.33  | 2.90  | 0.00    | 0.14  | 0.74  | 1.28  | 2.43  | 0.00     | 0.42  | 0.86  | 1.38  | 2.86  |
| HIP REPLACEMENT          | 763                       | 0.00    | 0.53  | 0.94  | 1.44  | 2.77  | 0.19    | 0.67  | 0.96  | 1.31  | 2.12  | 0.26     | 0.71  | 0.94  | 1.26  | 1.91  |
| REDUCT. OF HIP FRACTURE  | 276                       | 0.00    | 0.56  | 0.86  | 1.22  | 2.05  | 0.31    | 0.68  | 0.92  | 1.19  | 1.76  | 0.38     | 0.77  | 0.96  | 1.12  | 1.58  |
| PROSTATECTOMY            | 1576                      | 0.00    | 0.00  | 0.73  | 1.57  | 3.56  | 0.00    | 0.49  | 0.91  | 1.40  | 2.63  | 0.00     | 0.57  | 0.92  | 1.29  | 2.21  |
| CHOLECYSTECTOMY          | 714                       | 0.00    | 0.49  | 0.95  | 1.54  | 2.68  | 0.00    | 0.62  | 0.93  | 1.37  | 2.22  | 0.22     | 0.67  | 0.98  | 1.27  | 1.93  |
| HYSTERECTOMY             | 113                       | 0.00    | 0.00  | 0.00  | 2.00  | 6.69  | 0.00    | 0.00  | 0.76  | 1.70  | 3.59  | 0.00     | 0.24  | 0.75  | 1.27  | 2.91  |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1989

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |       |       |       |       | 90 DAYS |       |       |       |       | 180 DAYS |       |       |       |       |
|--------------------------|---------------------------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
|                          |                           | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%     | 25%   | 50%   | 75%   | 97.5% |
|                          |                           | -----   | ----- | ----- | ----- | ----- | -----   | ----- | ----- | ----- | ----- | -----    | ----- | ----- | ----- | ----- |
| OVERALL( < 750 CASES )   | 2746                      | 0.50    | 0.87  | 1.04  | 1.23  | 1.73  | 0.58    | 0.89  | 1.03  | 1.17  | 1.54  | 0.61     | 0.89  | 1.01  | 1.14  | 1.44  |
| OVERALL( >= 750 CASES)   | 2669                      | 0.71    | 0.90  | 1.00  | 1.09  | 1.35  | 0.79    | 0.94  | 1.01  | 1.08  | 1.28  | 0.82     | 0.95  | 1.01  | 1.07  | 1.24  |
| CONDITIONS               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| AMI                      | 1412                      | 0.53    | 0.81  | 0.96  | 1.12  | 1.47  | 0.59    | 0.86  | 1.01  | 1.15  | 1.47  | 0.63     | 0.87  | 1.00  | 1.14  | 1.43  |
| CHF                      | 2293                      | 0.47    | 0.80  | 0.97  | 1.18  | 1.69  | 0.58    | 0.86  | 1.00  | 1.14  | 1.48  | 0.66     | 0.89  | 1.02  | 1.14  | 1.40  |
| PNEUMONIA/INFLUENZA      | 2179                      | 0.45    | 0.77  | 0.97  | 1.19  | 1.67  | 0.54    | 0.85  | 1.01  | 1.18  | 1.55  | 0.60     | 0.86  | 1.02  | 1.18  | 1.51  |
| COPD                     | 324                       | 0.21    | 0.68  | 0.99  | 1.32  | 2.13  | 0.44    | 0.78  | 1.04  | 1.27  | 1.91  | 0.49     | 0.84  | 1.04  | 1.24  | 1.66  |
| TRANS. CEREBRAL ISCHEMIA | 420                       | 0.00    | 0.00  | 0.79  | 1.41  | 3.26  | 0.00    | 0.46  | 0.88  | 1.33  | 2.36  | 0.18     | 0.60  | 0.92  | 1.25  | 1.97  |
| STROKE                   | 1728                      | 0.53    | 0.80  | 0.95  | 1.12  | 1.56  | 0.62    | 0.85  | 0.97  | 1.11  | 1.46  | 0.67     | 0.88  | 0.99  | 1.13  | 1.40  |
| HIP FRACTURE             | 1126                      | 0.24    | 0.67  | 0.95  | 1.30  | 2.04  | 0.39    | 0.75  | 0.98  | 1.21  | 1.71  | 0.46     | 0.78  | 0.97  | 1.18  | 1.59  |
| SEPSIS                   | 174                       | 0.52    | 0.79  | 0.94  | 1.10  | 1.52  | 0.63    | 0.88  | 1.02  | 1.15  | 1.46  | 0.68     | 0.93  | 1.05  | 1.16  | 1.43  |
| PROCEDURES               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| ANGIOPLASTY              | 370                       | 0.00    | 0.46  | 0.84  | 1.35  | 2.55  | 0.00    | 0.55  | 0.88  | 1.33  | 2.52  | 0.00     | 0.61  | 0.94  | 1.32  | 2.44  |
| CABG                     | 501                       | 0.21    | 0.65  | 1.00  | 1.47  | 2.57  | 0.23    | 0.69  | 1.00  | 1.33  | 2.29  | 0.32     | 0.74  | 1.01  | 1.33  | 2.21  |
| PACEMAKER                | 91                        | 0.00    | 0.52  | 0.74  | 1.12  | 2.31  | 0.00    | 0.56  | 0.83  | 1.15  | 2.14  | 0.20     | 0.68  | 0.81  | 1.16  | 1.87  |
| CAROTID ENDARTERECTOMY . | 55                        | 0.00    | 0.00  | 0.82  | 1.51  | 5.01  | 0.00    | 0.47  | 0.86  | 1.31  | 4.00  | 0.00     | 0.43  | 0.85  | 1.28  | 3.12  |
| HIP REPLACEMENT          | 686                       | 0.00    | 0.52  | 0.92  | 1.44  | 2.46  | 0.00    | 0.65  | 0.94  | 1.27  | 1.95  | 0.21     | 0.67  | 0.94  | 1.19  | 1.75  |
| REDUCT. OF HIP FRACTURE  | 246                       | 0.19    | 0.57  | 0.91  | 1.23  | 1.96  | 0.31    | 0.71  | 0.96  | 1.19  | 1.74  | 0.41     | 0.78  | 0.96  | 1.13  | 1.53  |
| PROSTATECTOMY            | 1570                      | 0.00    | 0.00  | 0.67  | 1.50  | 3.46  | 0.00    | 0.47  | 0.86  | 1.36  | 2.67  | 0.00     | 0.58  | 0.93  | 1.28  | 2.15  |
| CHOLECYSTECTOMY          | 680                       | 0.00    | 0.53  | 0.94  | 1.53  | 2.90  | 0.00    | 0.62  | 0.97  | 1.36  | 2.15  | 0.22     | 0.66  | 0.95  | 1.26  | 1.98  |
| HYSTERECTOMY             | 101                       | 0.00    | 0.00  | 0.00  | 1.80  | 5.44  | 0.00    | 0.00  | 0.78  | 1.60  | 4.21  | 0.00     | 0.00  | 0.91  | 1.38  | 2.99  |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1988

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      |       | 90 DAYS |      |      |      |       | 180 DAYS |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|-------|---------|------|------|------|-------|----------|------|------|------|-------|
|                          |                           | -----   |      |      |      |       | -----   |      |      |      |       | -----    |      |      |      |       |
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%     | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2838                      | 0.46    | 0.89 | 1.05 | 1.23 | 1.75  | 0.54    | 0.90 | 1.03 | 1.16 | 1.57  | 0.59     | 0.90 | 1.02 | 1.14 | 1.45  |
| OVERALL( >= 750 CASES)   | 2693                      | 0.73    | 0.90 | 1.00 | 1.10 | 1.35  | 0.79    | 0.94 | 1.01 | 1.09 | 1.27  | 0.82     | 0.95 | 1.01 | 1.08 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| AMI                      | 1414                      | 0.56    | 0.82 | 0.96 | 1.12 | 1.41  | 0.63    | 0.87 | 1.01 | 1.14 | 1.42  | 0.65     | 0.89 | 1.00 | 1.13 | 1.39  |
| CHF                      | 2246                      | 0.45    | 0.79 | 0.97 | 1.18 | 1.61  | 0.60    | 0.86 | 1.00 | 1.14 | 1.43  | 0.68     | 0.90 | 1.02 | 1.13 | 1.37  |
| PNEUMONIA/INFLUENZA      | 2069                      | 0.44    | 0.79 | 0.97 | 1.17 | 1.68  | 0.57    | 0.85 | 1.01 | 1.17 | 1.59  | 0.61     | 0.87 | 1.01 | 1.16 | 1.53  |
| COPD                     | 310                       | 0.21    | 0.67 | 0.92 | 1.30 | 2.17  | 0.39    | 0.79 | 0.98 | 1.20 | 1.81  | 0.51     | 0.82 | 0.99 | 1.19 | 1.59  |
| TRANS. CEREBRAL ISCHEMIA | 495                       | 0.00    | 0.00 | 0.84 | 1.48 | 2.94  | 0.00    | 0.48 | 0.92 | 1.39 | 2.28  | 0.21     | 0.60 | 0.92 | 1.27 | 1.92  |
| STROKE                   | 1726                      | 0.51    | 0.79 | 0.95 | 1.12 | 1.56  | 0.60    | 0.84 | 0.98 | 1.13 | 1.44  | 0.64     | 0.88 | 1.00 | 1.13 | 1.42  |
| HIP FRACTURE             | 1119                      | 0.24    | 0.65 | 0.96 | 1.27 | 2.07  | 0.40    | 0.78 | 0.98 | 1.21 | 1.77  | 0.47     | 0.80 | 0.98 | 1.17 | 1.64  |
| SEPSIS                   | 133                       | 0.58    | 0.77 | 0.92 | 1.08 | 1.64  | 0.56    | 0.86 | 1.00 | 1.13 | 1.54  | 0.67     | 0.88 | 1.02 | 1.14 | 1.53  |
| PROCEDURES               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| ANGIOPLASTY              | 297                       | 0.00    | 0.50 | 0.87 | 1.35 | 2.60  | 0.00    | 0.59 | 0.91 | 1.34 | 2.50  | 0.00     | 0.65 | 0.95 | 1.31 | 2.25  |
| CABG                     | 478                       | 0.21    | 0.68 | 0.98 | 1.39 | 2.40  | 0.32    | 0.73 | 1.00 | 1.36 | 2.12  | 0.38     | 0.75 | 1.01 | 1.31 | 2.04  |
| PACEMAKER                | 83                        | 0.00    | 0.34 | 0.65 | 1.04 | 1.75  | 0.01    | 0.54 | 0.85 | 1.03 | 1.70  | 0.23     | 0.69 | 0.87 | 1.10 | 1.57  |
| CAROTID ENDARTERECTOMY   | 69                        | 0.00    | 0.00 | 0.60 | 1.23 | 3.30  | 0.00    | 0.33 | 0.62 | 1.09 | 2.50  | 0.00     | 0.44 | 0.68 | 1.16 | 1.87  |
| HIP REPLACEMENT          | 670                       | 0.00    | 0.49 | 0.95 | 1.40 | 2.65  | 0.00    | 0.66 | 1.01 | 1.31 | 2.15  | 0.24     | 0.70 | 0.96 | 1.24 | 1.87  |
| REDUCT. OF HIP FRACTURE  | 259                       | 0.00    | 0.61 | 0.91 | 1.26 | 2.16  | 0.38    | 0.74 | 0.96 | 1.21 | 1.94  | 0.44     | 0.77 | 0.96 | 1.16 | 1.79  |
| PROSTATECTOMY            | 1619                      | 0.00    | 0.00 | 0.78 | 1.53 | 3.69  | 0.00    | 0.54 | 0.92 | 1.39 | 2.57  | 0.00     | 0.61 | 0.93 | 1.30 | 2.21  |
| CHOLECYSTECTOMY          | 642                       | 0.00    | 0.50 | 0.96 | 1.44 | 3.04  | 0.00    | 0.61 | 0.96 | 1.36 | 2.26  | 0.25     | 0.66 | 0.96 | 1.27 | 2.01  |
| HYSTERECTOMY             | 90                        | 0.00    | 0.00 | 0.00 | 1.57 | 5.00  | 0.00    | 0.00 | 0.68 | 1.43 | 2.83  | 0.00     | 0.28 | 0.67 | 1.15 | 2.88  |

**TABLE 5: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS**  
(n is the number of cases at your hospital and p is the predicted mortality rate)

| p | n    | 99% Prediction Interval |      |      |      |      | 95% Prediction Interval |      |      |      |      | 75% Prediction Interval |      |      |      |      |
|---|------|-------------------------|------|------|------|------|-------------------------|------|------|------|------|-------------------------|------|------|------|------|
|   |      | Factor for Upper Bound  |      |      |      |      | Factor for Upper Bound  |      |      |      |      | Factor for Upper Bound  |      |      |      |      |
|   |      | 1%                      | 5%   | 10%  | 20%  | 40%  | 1%                      | 5%   | 10%  | 20%  | 40%  | 1%                      | 5%   | 10%  | 20%  | 40%  |
|   | 25   | 2.95                    | 2.73 | 2.68 | 2.63 | 2.59 | 2.15                    | 2.04 | 2.01 | 1.99 | 1.97 | 1.17                    | 1.16 | 1.16 | 1.15 | 1.15 |
|   | 50   | 2.76                    | 2.65 | 2.63 | 2.60 | 2.58 | 2.05                    | 2.00 | 1.99 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 75   | 2.70                    | 2.63 | 2.61 | 2.59 | 2.58 | 2.02                    | 1.99 | 1.98 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 100  | 2.67                    | 2.61 | 2.60 | 2.59 | 2.58 | 2.01                    | 1.98 | 1.97 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 150  | 2.64                    | 2.60 | 2.59 | 2.59 | 2.58 | 1.99                    | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 200  | 2.62                    | 2.60 | 2.59 | 2.58 | 2.58 | 1.98                    | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 300  | 2.61                    | 2.59 | 2.58 | 2.58 | 2.58 | 1.98                    | 1.97 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 400  | 2.60                    | 2.59 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 500  | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 750  | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 1000 | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 2000 | 2.58                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 5000 | 2.58                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |

| p | n    | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|---|------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|
|   |      | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|   |      | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   |
|   | 25   | -2.21                  | -2.42 | -2.48 | -2.52 | -2.56 | -1.77                  | -1.88 | -1.91 | -1.93 | -1.95 | -1.13                  | -1.14 | -1.14 | -1.15 | -1.15 |
|   | 50   | -2.39                  | -2.50 | -2.53 | -2.55 | -2.57 | -1.87                  | -1.92 | -1.93 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 75   | -2.45                  | -2.52 | -2.54 | -2.56 | -2.57 | -1.90                  | -1.93 | -1.94 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 100  | -2.48                  | -2.54 | -2.55 | -2.56 | -2.57 | -1.91                  | -1.94 | -1.95 | -1.95 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 150  | -2.51                  | -2.55 | -2.56 | -2.57 | -2.57 | -1.93                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 200  | -2.53                  | -2.56 | -2.56 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 300  | -2.54                  | -2.56 | -2.57 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 400  | -2.55                  | -2.57 | -2.57 | -2.57 | -2.57 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 500  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 750  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 1000 | -2.57                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 2000 | -2.57                  | -2.57 | -2.57 | -2.58 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 5000 | -2.57                  | -2.58 | -2.58 | -2.58 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |

**Medicare  
Hospital  
Information**

# A L VADHEIM MEMORIAL HOSPITAL

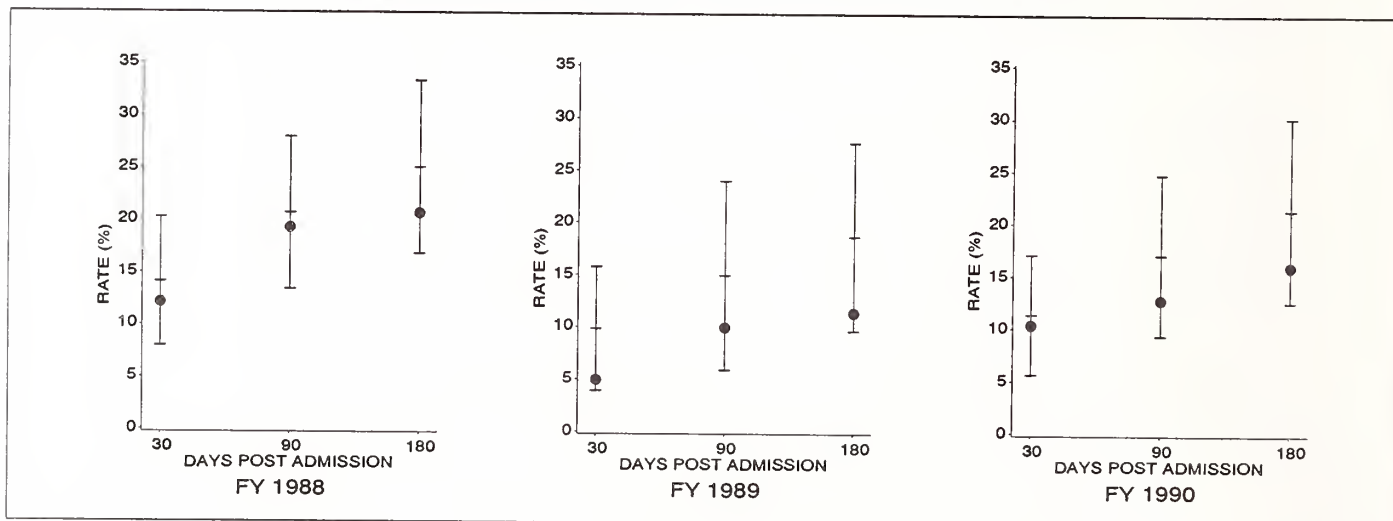
240 WILLOW STREET  
TYLER, MN 56178  
Medicare Provider Number: 240145

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 126                | 10.3                | 11.3 | 2.9  | 12.7    | 17.0 | 3.9  | 15.9     | 21.3 | 4.4  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 6                  | 0.0                 | 35.7 | ---- | 0.0     | 39.1 | ---- | 0.0      | 41.9 | ---- |
| Congestive Heart Failure.....              | 8                  | 37.5                | 20.2 | ---- | 50.0    | 32.5 | ---- | 62.5     | 41.0 | ---- |
| Pneumonia/Influenza.....                   | 13                 | 7.7                 | 17.6 | ---- | 7.7     | 24.1 | ---- | 15.4     | 28.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 6.3  | ---- | 0.0     | 12.8 | ---- | 0.0      | 18.9 | ---- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.5  | ---- | 0.0     | 4.0  | ---- | 0.0      | 7.2  | ---- |
| Stroke.....                                | 5                  | 40.0                | 24.0 | ---- | 40.0    | 28.4 | ---- | 40.0     | 31.3 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 1                  | 0.0                 | 20.6 | ---- | 0.0     | 25.8 | ---- | 0.0      | 31.2 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 4                  | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.7  | ---- |
| Cholecystectomy.....                       | 2                  | 0.0                 | 3.5  | ---- | 0.0     | 5.3  | ---- | 0.0      | 6.6  | ---- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# A L VADHEIM MEMORIAL HOSPITAL

Medicare Provider Number: 240145

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 78.3 years | Cancer.....                         | 7.1 %  |
| Proportion female.....                         | 62.7 %     | Chronic cardiovascular disease..... | 41.3 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.0 %  |
| Referred by personal or HMO physician.....     | 11.9 %     | Chronic renal disease.....          | 2.4 %  |
| Transferred from skilled nursing facility..... | 5.6 %      | Chronic pulmonary disease.....      | 20.6 % |
| Admitted for elective procedure.....           | 0.0 %      | Cerebrovascular degeneration.....   | 8.7 %  |
| Admitted for emergency.....                    | 45.2 %     | Diabetes mellitus.....              | 3.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 62.8%  | Hospital .....                          | 4.9 Days |
| State .....                                  | 34.5%  | State .....                             | 6.6 Days |
| Outside State .....                          | 2.7%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b> |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 63                  | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 81.0 %              | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | Private, Non-Profit | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 50.0 %              | Hospice Care .....                              | Yes |
| Case Mix Index (CMI) .....                                         | 0.9580              | Medical/Surgical Intensive Care .....           | No  |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 5                   | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | (Not Available)     | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                   | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 9                   | Alcohol/Drug .....                              | No  |
| Licensed Practical Nurses .....                                    | 2                   | Rehabilitation.....                             | No  |
|                                                                    |                     | Psychiatric .....                               | No  |
|                                                                    |                     | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ABBOTT-NORTHWESTERN HOSPITAL

800 EAST 28TH STREET AT CHICAGO AVE

MINNEAPOLIS, MN 55407

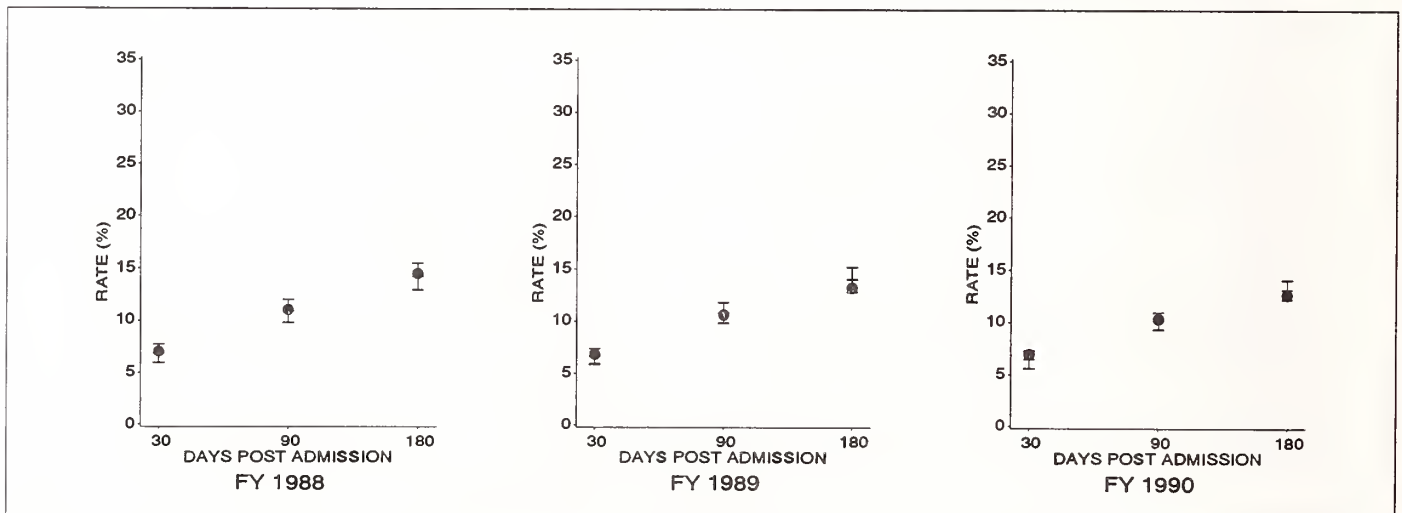
Medicare Provider Number: 240057

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5500            | 6.9                 | 6.4  | 0.4   | 10.3    | 10.1 | 0.4   | 12.6     | 13.1 | 0.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 245             | 18.8                | 20.0 | 2.6   | 20.4    | 22.9 | 2.9   | 21.2     | 25.4 | 3.0   |
| Congestive Heart Failure.....              | 198             | 13.6                | 14.3 | 2.9   | 20.7    | 22.5 | 5.3   | 24.7     | 29.0 | 6.0   |
| Pneumonia/Influenza.....                   | 140             | 17.1                | 15.4 | 4.3   | 25.7    | 21.5 | 5.0   | 30.0     | 25.7 | 5.2   |
| Chronic Obstructive Pulmonary Disease..... | 38              | 7.9                 | 7.7  | ----- | 21.1    | 13.2 | ----- | 23.7     | 17.5 | ----- |
| Transient Cerebral Ischemia.....           | 63              | 0.0                 | 1.6  | 2.8   | 1.6     | 3.9  | 4.9   | 7.9      | 6.6  | 4.4   |
| Stroke.....                                | 148             | 13.5                | 16.5 | 5.2   | 19.6    | 23.1 | 6.0   | 22.3     | 27.0 | 5.7   |
| Hip Fracture.....                          | 133             | 6.8                 | 5.6  | 2.1   | 9.0     | 10.3 | 2.7   | 10.5     | 14.0 | 3.3   |
| Sepsis.....                                | 44              | 18.2                | 18.5 | ----- | 29.5    | 24.8 | ----- | 40.9     | 29.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 281             | 2.5                 | 2.3  | 1.3   | 2.5     | 3.2  | 1.6   | 2.5      | 4.0  | 2.0   |
| Coronary Artery Bypass Graft.....          | 273             | 8.8                 | 4.7  | 2.3   | 10.3    | 7.0  | 2.1   | 10.6     | 8.1  | 2.0   |
| Initial Pacemaker Insertion.....           | 49              | 8.2                 | 3.7  | ----- | 8.2     | 7.2  | ----- | 10.2     | 10.3 | ----- |
| Carotid Endarterectomy.....                | 26              | 3.8                 | 1.4  | ----- | 7.7     | 2.7  | ----- | 7.7      | 4.1  | ----- |
| Hip Replacement/Reconstruction.....        | 120             | 1.7                 | 2.8  | 1.9   | 4.2     | 5.2  | 2.3   | 4.2      | 7.1  | 3.3   |
| Open Reduction of Hip Fracture.....        | 40              | 7.5                 | 5.6  | ----- | 7.5     | 10.5 | ----- | 7.5      | 14.4 | ----- |
| Prostatectomy.....                         | 153             | 0.0                 | 0.9  | 1.0   | 1.3     | 2.2  | 1.3   | 1.3      | 3.7  | 2.1   |
| Cholecystectomy.....                       | 90              | 4.4                 | 1.9  | 2.3   | 5.6     | 3.6  | 3.3   | 6.7      | 4.9  | 3.7   |
| Hysterectomy.....                          | 44              | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ABBOTT-NORTHWESTERN HOSPITAL

Medicare Provider Number: 240057

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.3 years  
Proportion female..... 55.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 54.5 %  
Transferred from skilled nursing facility..... 2.3 %  
Admitted for elective procedure..... 97.9 %  
Admitted for emergency..... 0.1 %

### COMORBIDITIES:

Cancer..... 6.5 %  
Chronic cardiovascular disease..... 50.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 11.4 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 4.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 53.1 %  
State ..... 36.6 %  
Outside State ..... 10.3 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 737  
Occupancy Rate ..... 68.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 32.6 %  
Case Mix Index (CMI) ..... 1.7407

### STAFFING:

Total Number of Physicians..... 626  
Percent of Physicians Board  
Certified Specialists ..... 72.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 809  
Licensed Practical Nurses ..... 55

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ADA MUNICIPAL HOSPITAL

405 EAST SECOND AVENUE

ADA, MN 56510

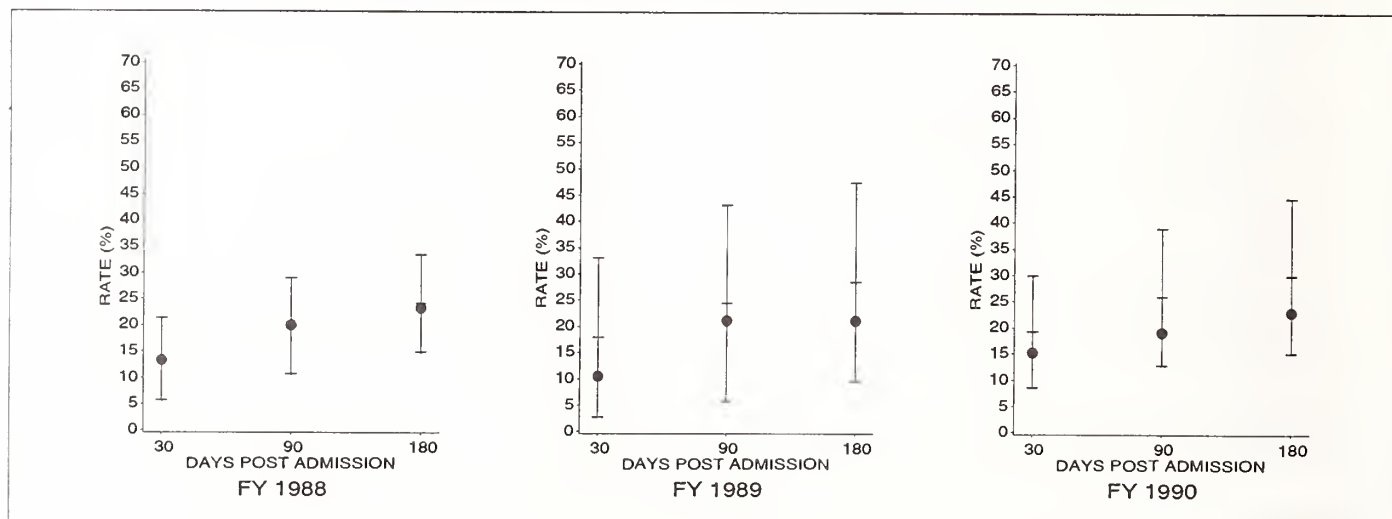
Medicare Provider Number: 240114

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 79                 | 15.2                | 19.2 | 5.3   | 19.0    | 25.8 | 6.5   | 22.8     | 29.8 | 7.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 9                  | 22.2                | 34.1 | ----- | 22.2    | 39.4 | ----- | 33.3     | 42.7 | ----- |
| Congestive Heart Failure.....              | 2                  | 50.0                | 41.9 | ----- | 50.0    | 48.7 | ----- | 50.0     | 53.5 | ----- |
| Pneumonia/Influenza.....                   | 5                  | 20.0                | 36.9 | ----- | 20.0    | 46.6 | ----- | 20.0     | 50.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 2.5  | ----- | 0.0     | 5.1  | ----- | 0.0      | 7.9  | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.3  | ----- | 0.0     | 3.1  | ----- | 0.0      | 5.5  | ----- |
| Stroke.....                                | 9                  | 11.1                | 32.9 | ----- | 22.2    | 43.9 | ----- | 33.3     | 49.5 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ADA MUNICIPAL HOSPITAL

Medicare Provider Number: 240114

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 82.2 years  
Proportion female..... 67.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 16.5 %  
Transferred from skilled nursing facility..... 17.7 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 86.1 %

### COMORBIDITIES:

Cancer..... 12.7 %  
Chronic cardiovascular disease..... 46.8 %  
Chronic liver disease..... 2.5 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 6.3 %  
Cerebrovascular degeneration..... 6.3 %  
Diabetes mellitus..... 5.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 86.6%  
State..... 12.6%  
Outside State..... 0.8%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.4 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 79  
Occupancy Rate..... 65.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... 45.5 %  
Case Mix Index (CMI)..... 1.0151

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses..... 4

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ALBANY AREA HOSPITAL

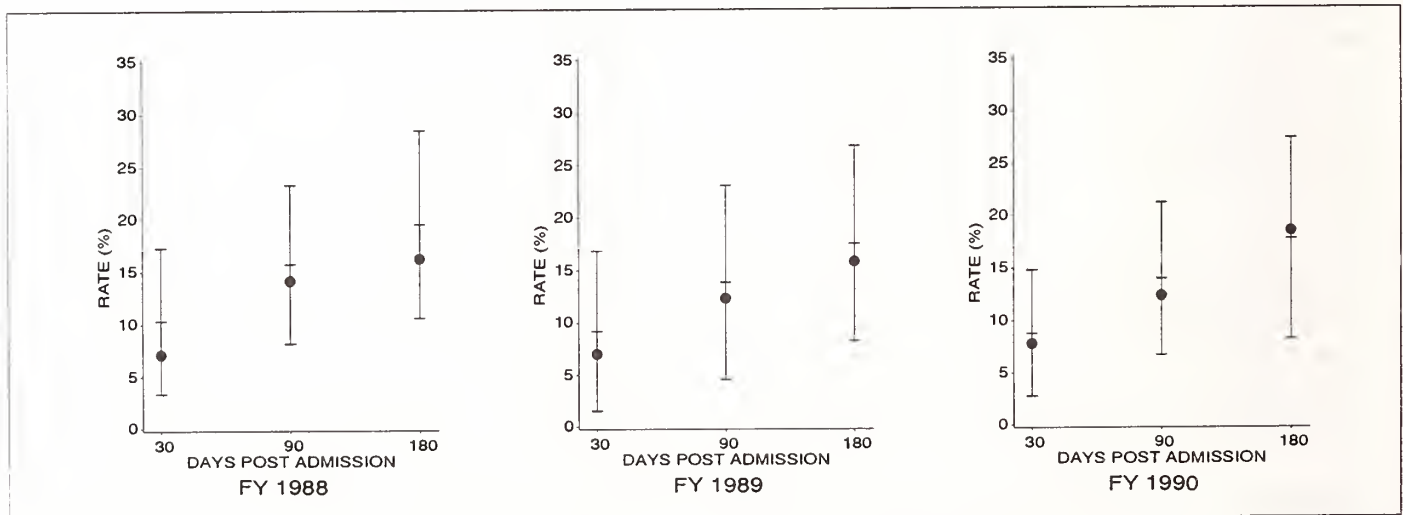
300 THIRD AVE, BOX 370  
ALBANY, MN 56307  
Medicare Provider Number: 240193

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 129             | 7.8                 | 8.8  | 3.0   | 12.4    | 14.0 | 3.6   | 18.6     | 17.8 | 4.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2               | 50.0                | 35.0 | ----- | 50.0    | 38.2 | ----- | 50.0     | 42.2 | ----- |
| Congestive Heart Failure.....              | 4               | 50.0                | 14.4 | ----- | 50.0    | 19.9 | ----- | 50.0     | 24.8 | ----- |
| Pneumonia/Influenza.....                   | 18              | 5.6                 | 16.6 | ----- | 16.7    | 24.3 | ----- | 44.4     | 29.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 4.3  | ----- | 0.0     | 8.7  | ----- | 0.0      | 12.2 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.5  | ----- | 0.0     | 3.5  | ----- | 0.0      | 6.2  | ----- |
| Stroke.....                                | 3               | 0.0                 | 24.8 | ----- | 33.3    | 30.2 | ----- | 33.3     | 33.2 | ----- |
| Hip Fracture.....                          | 3               | 33.3                | 5.9  | ----- | 33.3    | 11.1 | ----- | 33.3     | 15.3 | ----- |
| Sepsis.....                                | 2               | 0.0                 | 14.6 | ----- | 0.0     | 19.9 | ----- | 0.0      | 23.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 5               | 0.0                 | 2.4  | ----- | 0.0     | 6.3  | ----- | 0.0      | 11.0 | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 3.0  | ----- | 0.0     | 5.1  | ----- | 0.0      | 6.7  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ALBANY AREA HOSPITAL

Medicare Provider Number: 240193

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 79.7 years |
| Proportion female.....        | 51.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 10.9 % |
| Transferred from skilled nursing facility..... | 0.8 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 4.7 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.5 %  |
| Chronic cardiovascular disease..... | 20.2 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 5.4 %  |
| Chronic pulmonary disease.....      | 9.3 %  |
| Cerebrovascular degeneration.....   | 4.7 %  |
| Diabetes mellitus.....              | 4.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 90.8%  |
| State .....         | 8.2%   |
| Outside State ..... | 1.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.1 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 26                  |
| Occupancy Rate .....       | 15.4 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 40.7 %              |
| Case Mix Index (CMI) ..... | 0.9385              |

### STAFFING:

|                                                            |         |
|------------------------------------------------------------|---------|
| Total Number of Physicians.....                            | 2       |
| Percent of Physicians Board<br>Certified Specialists ..... | 100.0 % |
| Medical Residents/Interns .....                            | 0       |
| Registered Nurses.....                                     | 12      |
| Licensed Practical Nurses .....                            | 11      |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# APPLETON MUNICIPAL HOSPITAL

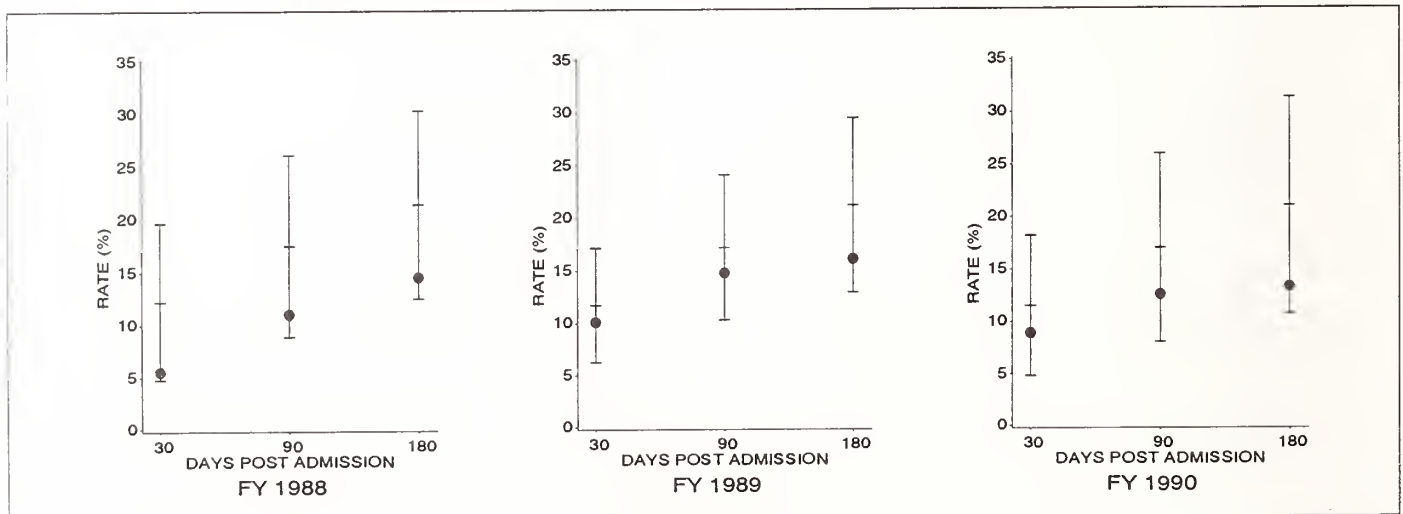
30 SOUTH BEHL STREET  
APPLETON, MN 56208  
Medicare Provider Number: 240116

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 135             | 8.9                 | 11.5 | 3.4   | 12.6    | 17.0 | 4.5   | 13.3     | 21.0 | 5.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8               | 25.0                | 32.2 | ----- | 25.0    | 35.3 | ----- | 25.0     | 39.2 | ----- |
| Congestive Heart Failure.....              | 8               | 12.5                | 16.5 | ----- | 25.0    | 25.4 | ----- | 25.0     | 32.5 | ----- |
| Pneumonia/Influenza.....                   | 8               | 25.0                | 25.3 | ----- | 25.0    | 36.0 | ----- | 25.0     | 41.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 25.0                | 12.3 | ----- | 25.0    | 21.7 | ----- | 25.0     | 26.9 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.2  | ----- | 0.0     | 2.9  | ----- | 0.0      | 4.9  | ----- |
| Stroke.....                                | 4               | 25.0                | 32.4 | ----- | 50.0    | 41.2 | ----- | 50.0     | 46.4 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 7.4  | ----- | 0.0     | 13.1 | ----- | 0.0      | 17.2 | ----- |
| Sepsis.....                                | 4               | 25.0                | 22.5 | ----- | 25.0    | 34.5 | ----- | 25.0     | 40.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 1               | 0.0                 | 1.1  | ----- | 0.0     | 2.8  | ----- | 0.0      | 4.9  | ----- |
| Cholecystectomy.....                       | 2               | 0.0                 | 3.0  | ----- | 0.0     | 5.0  | ----- | 0.0      | 6.1  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# APPLETON MUNICIPAL HOSPITAL

Medicare Provider Number: 240116

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.2 years  
Proportion female..... 57.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 26.7 %  
Transferred from skilled nursing facility..... 14.8 %  
Admitted for elective procedure..... 0.7 %  
Admitted for emergency..... 63.0 %

### COMORBIDITIES:

Cancer..... 5.2 %  
Chronic cardiovascular disease..... 33.3 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 12.6 %  
Cerebrovascular degeneration..... 7.4 %  
Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.1 %  
State ..... 24.6 %  
Outside State ..... 1.3 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.6 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 104  
Occupancy Rate ..... 85.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 65.9 %  
Case Mix Index (CMI) ..... 0.9767

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ARLINGTON MUNICIPAL HOSPITAL

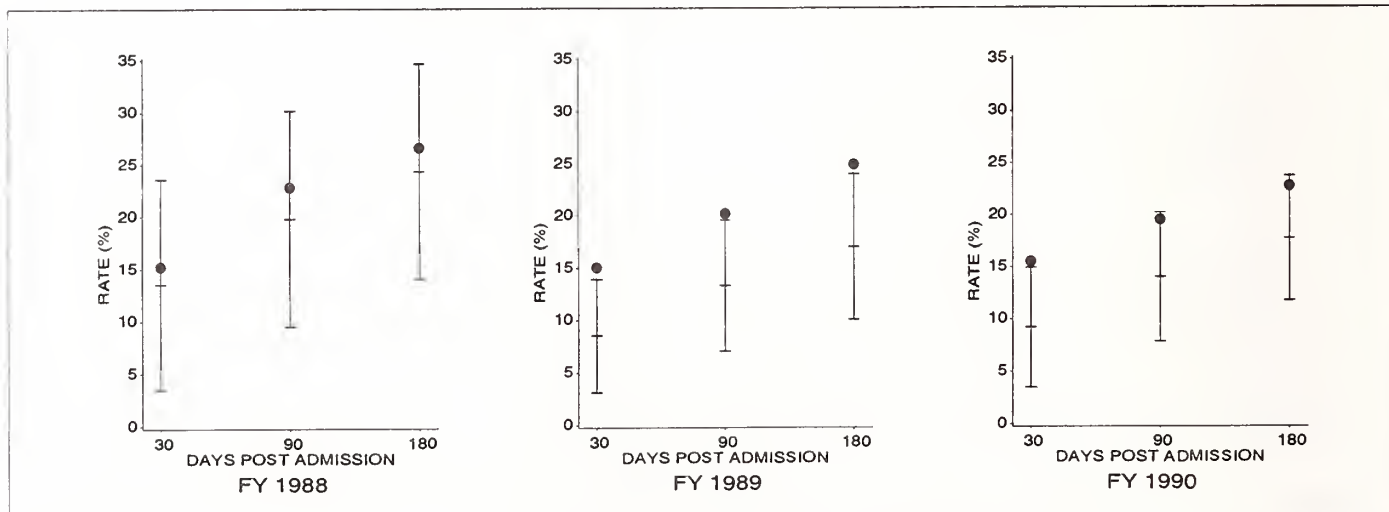
601 WEST CHANDLER  
ARLINGTON, MN 55307  
Medicare Provider Number: 240161

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 220                | 15.5                | 9.2  | 2.9   | 19.5    | 14.0 | 3.1   | 22.7     | 17.7 | 3.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 9                  | 55.6                | 23.1 | ----- | 55.6    | 26.0 | ----- | 55.6     | 28.9 | ----- |
| Congestive Heart Failure.....              | 13                 | 30.8                | 14.6 | ----- | 38.5    | 23.3 | ----- | 38.5     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 16                 | 25.0                | 17.8 | ----- | 31.3    | 24.2 | ----- | 31.3     | 28.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 0.0                 | 8.6  | ----- | 0.0     | 16.1 | ----- | 0.0      | 22.9 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.2  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.0  | ----- |
| Stroke.....                                | 14                 | 50.0                | 19.5 | ----- | 57.1    | 27.1 | ----- | 57.1     | 31.5 | ----- |
| Hip Fracture.....                          | 2                  | 0.0                 | 3.5  | ----- | 0.0     | 7.2  | ----- | 0.0      | 10.1 | ----- |
| Sepsis.....                                | 1                  | 100.0               | 6.2  | ----- | 100.0   | 9.1  | ----- | 100.0    | 11.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 4                  | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.9  | ----- |
| Cholecystectomy.....                       | 3                  | 0.0                 | 0.8  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.0  | ----- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ARLINGTON MUNICIPAL HOSPITAL

Medicare Provider Number: 240161

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.9 years  
Proportion female..... 50.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 85.9 %  
Transferred from skilled nursing facility..... 3.2 %  
Admitted for elective procedure..... 10.0 %  
Admitted for emergency..... 0.9 %

### COMORBIDITIES:

Cancer..... 5.0 %  
Chronic cardiovascular disease..... 33.2 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.5 %  
Chronic pulmonary disease..... 5.9 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 5.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 92.0%  
State ..... 7.7%  
Outside State ..... 0.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 17  
Occupancy Rate ..... 64.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 54.5 %  
Case Mix Index (CMI) ..... 0.9368

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ARNOLD MEMORIAL HOSPITAL

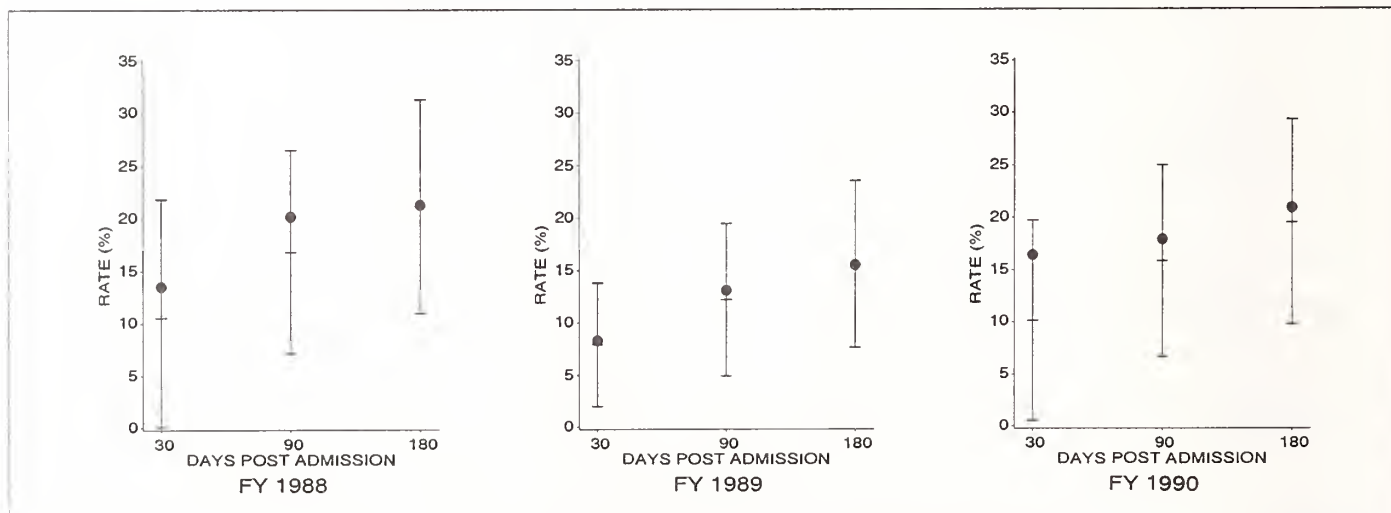
601 LOUISIANA AVENUE  
ADRIAN, MN 56110  
Medicare Provider Number: 240127

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 67              | 16.4                | 10.1 | 4.8  | 17.9    | 15.8 | 4.6  | 20.9     | 19.5 | 4.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 3               | 0.0                 | 13.4 | ---- | 0.0     | 20.2 | ---- | 0.0      | 25.3 | ---- |
| Pneumonia/Influenza.....                   | 3               | 66.7                | 17.2 | ---- | 100.0   | 25.1 | ---- | 100.0    | 31.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 4.1  | ---- | 0.0     | 7.4  | ---- | 0.0      | 11.4 | ---- |
| Transient Cerebral Ischemia.....           | 2               | 50.0                | 2.3  | ---- | 50.0    | 5.4  | ---- | 50.0     | 9.0  | ---- |
| Stroke.....                                | 4               | 50.0                | 29.7 | ---- | 50.0    | 41.7 | ---- | 50.0     | 47.6 | ---- |
| Hip Fracture.....                          | 1               | 0.0                 | 2.3  | ---- | 0.0     | 4.7  | ---- | 0.0      | 6.3  | ---- |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 2.2  | ---- | 0.0     | 4.4  | ---- | 0.0      | 6.1  | ---- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 4               | 0.0                 | 0.3  | ---- | 0.0     | 0.8  | ---- | 0.0      | 1.3  | ---- |
| Cholecystectomy.....                       | 0               |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ARNOLD MEMORIAL HOSPITAL

Medicare Provider Number: 240127

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 79.0 years |
| Proportion female.....        | 59.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 98.5 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 10.4 % |
| Admitted for emergency.....                    | 3.0 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 13.4 % |
| Chronic cardiovascular disease..... | 35.8 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 0.0 %  |
| Chronic pulmonary disease.....      | 7.5 %  |
| Cerebrovascular degeneration.....   | 7.5 %  |
| Diabetes mellitus.....              | 3.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 92.8%  |
| State .....         | 3.1%   |
| Outside State ..... | 4.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.9 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 58               |
| Occupancy Rate .....       | 79.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 49.7 %           |
| Case Mix Index (CMI) ..... | 1.0374           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 7      |
| Percent of Physicians Board<br>Certified Specialists ..... | 85.7 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 5      |
| Licensed Practical Nurses .....                            | 4      |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# CANBY COMMUNITY HOSPITAL

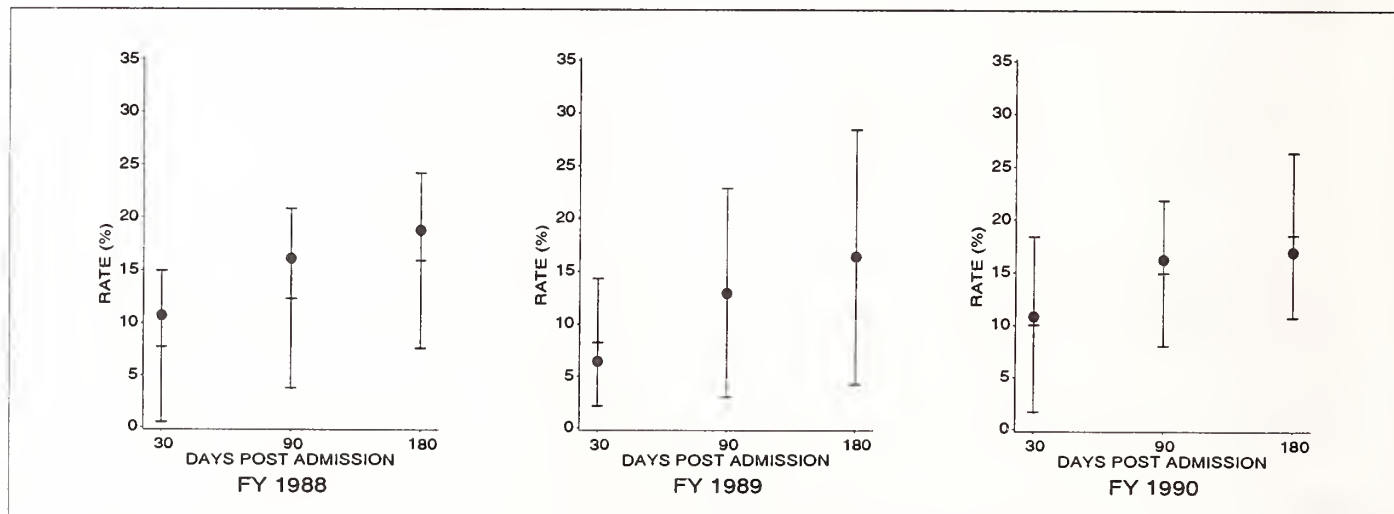
112 ST OLAF AVENUE  
CANBY, MN 56220  
Medicare Provider Number: 240077

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 130                | 10.8                | 10.0 | 4.2   | 16.2    | 14.9 | 3.5   | 16.9     | 18.5 | 3.9   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4                  | 25.0                | 24.6 | ----- | 25.0    | 27.2 | ----- | 25.0     | 29.6 | ----- |
| Congestive Heart Failure.....              | 5                  | 20.0                | 18.6 | ----- | 40.0    | 28.6 | ----- | 40.0     | 35.3 | ----- |
| Pneumonia/Influenza.....                   | 16                 | 18.8                | 17.6 | ----- | 18.8    | 25.6 | ----- | 25.0     | 30.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 5.2  | ----- | 0.0     | 8.0  | ----- | 0.0      | 11.3 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.0  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.3  | ----- |
| Stroke.....                                | 11                 | 45.5                | 21.2 | ----- | 45.5    | 28.7 | ----- | 45.5     | 33.4 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2                  | 0.0                 | 28.5 | ----- | 0.0     | 36.6 | ----- | 0.0      | 41.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 5                  | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.7  | ----- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 1.0  | ----- | 0.0     | 1.9  | ----- | 0.0      | 2.8  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CANBY COMMUNITY HOSPITAL

Medicare Provider Number: 240077

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.2 years  
Proportion female..... 52.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 88.5 %  
Transferred from skilled nursing facility..... 8.5 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 9.2 %  
Chronic cardiovascular disease..... 23.8 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.5 %  
Chronic pulmonary disease..... 7.7 %  
Cerebrovascular degeneration..... 2.3 %  
Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 80.2%  
State ..... 11.0%  
Outside State ..... 8.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.4 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 98  
Occupancy Rate ..... 78.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 57.3 %  
Case Mix Index (CMI) ..... 0.9954

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CANNON FALLS COMMUNITY HOSPITAL

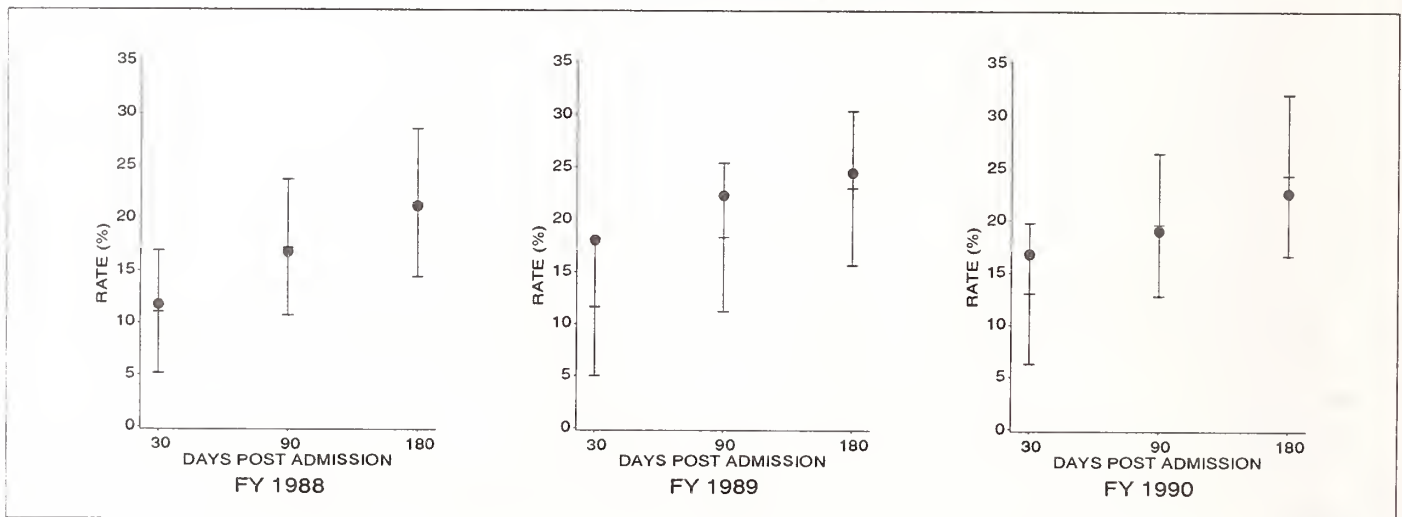
1116 WEST MILL STREET  
CANNON FALLS, MN 55009  
Medicare Provider Number: 240089

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 137             | 16.8                | 13.0 | 3.4  | 19.0    | 19.6 | 3.4  | 22.6     | 24.3 | 3.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 4               | 50.0                | 34.1 | ---- | 50.0    | 38.7 | ---- | 50.0     | 41.9 | ---- |
| Congestive Heart Failure.....              | 14              | 35.7                | 17.2 | ---- | 35.7    | 26.6 | ---- | 35.7     | 34.2 | ---- |
| Pneumonia/Influenza.....                   | 13              | 23.1                | 19.1 | ---- | 30.8    | 26.6 | ---- | 38.5     | 31.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 5               | 20.0                | 16.6 | ---- | 20.0    | 21.5 | ---- | 20.0     | 25.1 | ---- |
| Hip Fracture.....                          | 3               | 0.0                 | 5.5  | ---- | 0.0     | 9.9  | ---- | 33.3     | 13.6 | ---- |
| Sepsis.....                                | 3               | 33.3                | 55.7 | ---- | 33.3    | 69.1 | ---- | 33.3     | 74.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 6.4  | ---- | 0.0     | 13.3 | ---- | 100.0    | 19.2 | ---- |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 5.0  | ---- | 0.0     | 8.5  | ---- | 0.0      | 11.4 | ---- |
| Prostatectomy.....                         | 1               | 0.0                 | 0.9  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.3  | ---- |
| Cholecystectomy.....                       | 3               | 0.0                 | 1.0  | ---- | 0.0     | 1.7  | ---- | 0.0      | 2.2  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CANNON FALLS COMMUNITY HOSPITAL

Medicare Provider Number: 240089

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 80.1 years |
| Proportion female.....        | 60.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 44.5 % |
| Transferred from skilled nursing facility..... | 12.4 % |
| Admitted for elective procedure.....           | 3.6 %  |
| Admitted for emergency.....                    | 0.0 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 10.2 % |
| Chronic cardiovascular disease..... | 44.5 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 3.6 %  |
| Chronic pulmonary disease.....      | 10.2 % |
| Cerebrovascular degeneration.....   | 8.8 %  |
| Diabetes mellitus.....              | 12.4 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 86.5%  |
| State .....         | 10.6%  |
| Outside State ..... | 2.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.2 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 21                 |
| Occupancy Rate .....       | 28.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 44.3 %             |
| Case Mix Index (CMI) ..... | 1.0633             |

### STAFFING:

|                                                            |         |
|------------------------------------------------------------|---------|
| Total Number of Physicians.....                            | 8       |
| Percent of Physicians Board<br>Certified Specialists ..... | 100.0 % |
| Medical Residents/Interns .....                            | 0       |
| Registered Nurses.....                                     | 10      |
| Licensed Practical Nurses.....                             | 6       |

\*\* Except for CMI

### SPECIALTY SERVICES:

|                                      |    |
|--------------------------------------|----|
| Burn Unit .....                      | No |
| Cardiac Intensive Care .....         | No |
| Comprehensive Geriatric .....        | No |
| Hospice Care .....                   | No |
| Medical/Surgical Intensive Care..... | No |
| Organ/Tissue Transplant .....        | No |
| Other Intensive Care .....           | No |
| Trauma Center .....                  | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug.....         | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\* Not used in calculating mortality rates

# CASS LAKE PHS INDIAN HOSPITAL

3RD AVENUE WEST AND 7TH STREET

CASS LAKE, MN 56633

Medicare Provider Number: 240205

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 49                 | 2.0                 | 9.6  | ----- | 6.1     | 14.5 | ----- | 12.2     | 18.2 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 3                  | 0.0                 | 16.6 | ----- | 0.0     | 27.9 | ----- | 0.0      | 35.9 | ----- |
| Pneumonia/Influenza.....                   | 5                  | 0.0                 | 11.4 | ----- | 0.0     | 15.7 | ----- | 0.0      | 18.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 5.8  | ----- | 0.0     | 10.7 | ----- | 0.0      | 13.9 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.7  | ----- |
| Stroke.....                                | 2                  | 0.0                 | 23.9 | ----- | 0.0     | 33.3 | ----- | 0.0      | 38.5 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# CASS LAKE PHS INDIAN HOSPITAL

Medicare Provider Number: 240205

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 70.3 years  
Proportion female..... 65.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 2.0 %  
Chronic cardiovascular disease..... 36.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 14.3 %  
Chronic pulmonary disease..... 16.3 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 18.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 77.7%  
State ..... 22.3%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 13  
Occupancy Rate ..... 38.0 %  
Ownership/Control..... Federal Government  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 0.8632

### STAFFING:

Total Number of Physicians..... 9  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 19  
Licensed Practical Nurses ..... 1

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CHIPPEWA COUNTY-MONTEVIDEO HOSPITAL

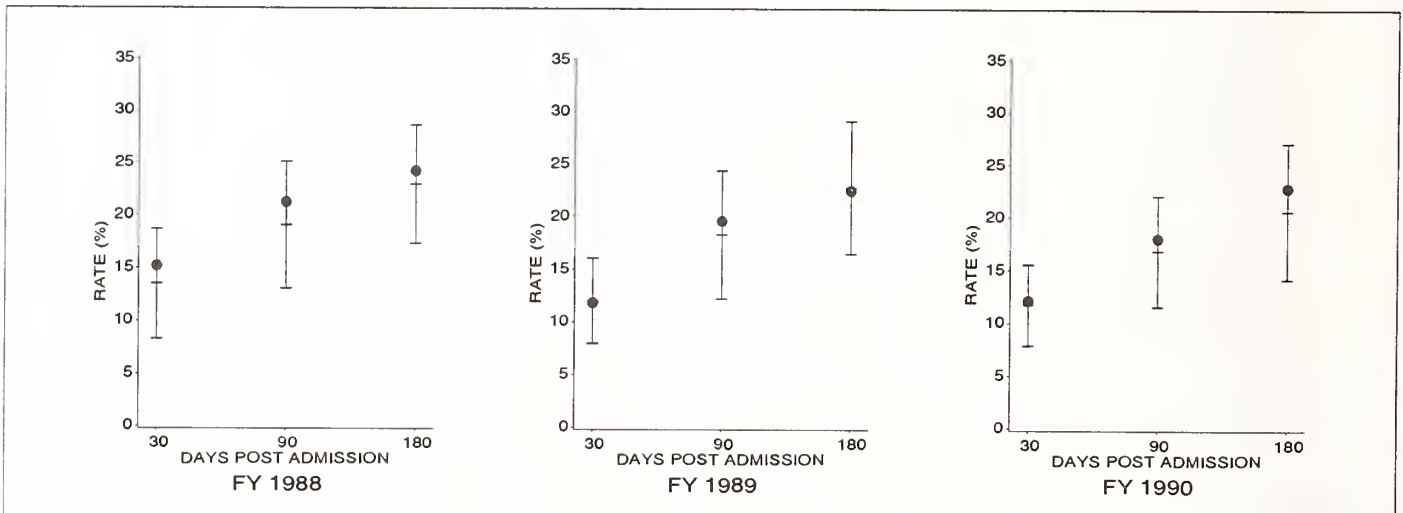
824 NORTH 11TH ST  
MONTEVIDEO, MN 56265  
Medicare Provider Number: 240082

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 289                | 12.1                | 11.7 | 1.9  | 18.0    | 16.8 | 2.6  | 22.8     | 20.6 | 3.2  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 22                 | 36.4                | 35.9 | ---- | 36.4    | 39.4 | ---- | 50.0     | 42.6 | ---- |
| Congestive Heart Failure.....              | 21                 | 19.0                | 15.4 | ---- | 28.6    | 24.9 | ---- | 33.3     | 31.2 | ---- |
| Pneumonia/Influenza.....                   | 28                 | 14.3                | 15.4 | ---- | 25.0    | 21.4 | ---- | 32.1     | 25.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 4.0  | ---- | 0.0     | 7.7  | ---- | 0.0      | 10.5 | ---- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.5  | ---- | 0.0     | 3.8  | ---- | 0.0      | 6.5  | ---- |
| Stroke.....                                | 16                 | 12.5                | 19.2 | ---- | 31.3    | 24.8 | ---- | 37.5     | 28.7 | ---- |
| Hip Fracture.....                          | 11                 | 0.0                 | 4.7  | ---- | 0.0     | 9.2  | ---- | 9.1      | 12.7 | ---- |
| Sepsis.....                                | 5                  | 20.0                | 30.5 | ---- | 20.0    | 37.2 | ---- | 20.0     | 42.5 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 4                  | 0.0                 | 3.4  | ---- | 0.0     | 6.5  | ---- | 0.0      | 9.3  | ---- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 5.6  | ---- | 0.0     | 11.5 | ---- | 20.0     | 16.2 | ---- |
| Prostatectomy.....                         | 13                 | 0.0                 | 1.1  | ---- | 0.0     | 2.6  | ---- | 0.0      | 4.5  | ---- |
| Cholecystectomy.....                       | 14                 | 0.0                 | 2.8  | ---- | 0.0     | 5.2  | ---- | 0.0      | 7.0  | ---- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.0  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CHIPPEWA COUNTY-MONTEVIDEO HOSPITAL

Medicare Provider Number: 240082

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.8 years

Proportion female..... 55.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 81.7 %

Transferred from skilled nursing facility..... 4.8 %

Admitted for elective procedure..... 15.2 %

Admitted for emergency..... 15.2 %

### COMORBIDITIES:

Cancer..... 10.7 %

Chronic cardiovascular disease..... 29.1 %

Chronic liver disease..... 0.3 %

Chronic renal disease..... 1.0 %

Chronic pulmonary disease..... 9.7 %

Cerebrovascular degeneration..... 4.5 %

Diabetes mellitus..... 8.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 72.7%

State ..... 27.0%

Outside State ..... 0.3%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 35

Ownership/Control..... Local Government

Case Mix Index (CMI) ..... 1.1381

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 15

Licensed Practical Nurses..... 10

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... No

Hospice Care ..... No

Intensive Care Unit ..... Yes

Organ Transplant ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CHISAGO HEALTH SERVICES

11685 LAKE BOULEVARD NORTH

CHISAGO CITY, MN 55013

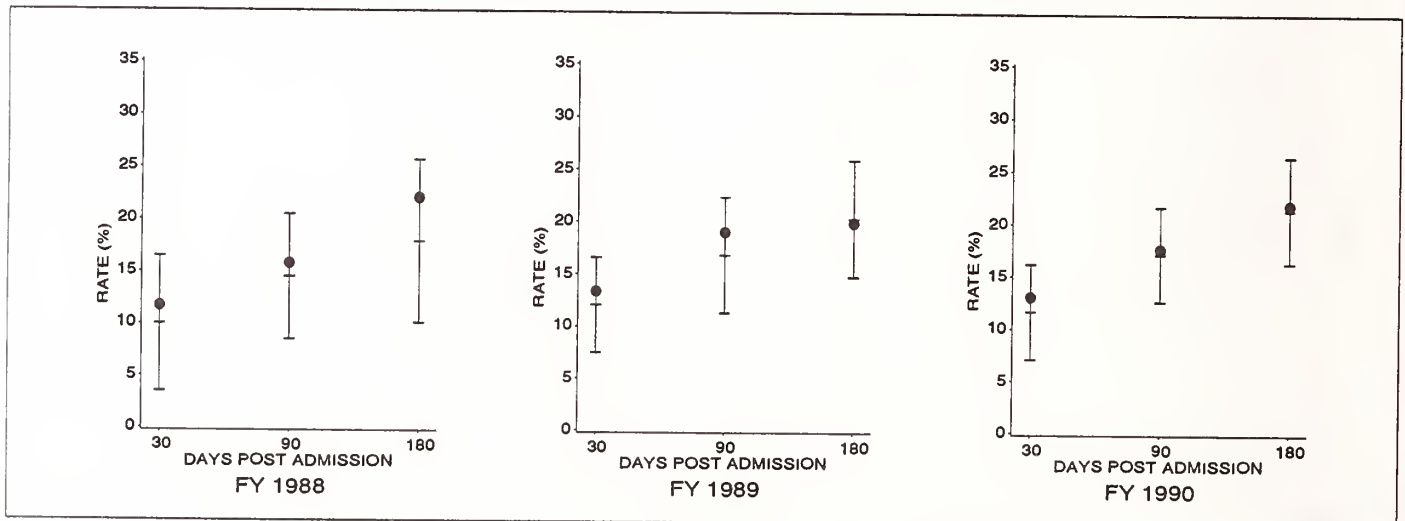
Medicare Provider Number: 240028

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 307                | 13.0                | 11.6 | 2.3   | 17.6    | 17.1 | 2.3   | 21.8     | 21.3 | 2.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 12                 | 16.7                | 32.5 | ----- | 16.7    | 35.5 | ----- | 16.7     | 38.4 | ----- |
| Congestive Heart Failure.....              | 27                 | 14.8                | 14.8 | ----- | 22.2    | 23.2 | ----- | 33.3     | 29.6 | ----- |
| Pneumonia/Influenza.....                   | 31                 | 16.1                | 17.9 | ----- | 19.4    | 24.1 | ----- | 25.8     | 28.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8                  | 12.5                | 6.5  | ----- | 25.0    | 11.8 | ----- | 25.0     | 16.4 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 0.5  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.3  | ----- |
| Stroke.....                                | 15                 | 33.3                | 19.6 | ----- | 40.0    | 25.2 | ----- | 46.7     | 29.1 | ----- |
| Hip Fracture.....                          | 9                  | 11.1                | 8.5  | ----- | 11.1    | 15.3 | ----- | 11.1     | 19.7 | ----- |
| Sepsis.....                                | 6                  | 83.3                | 28.8 | ----- | 83.3    | 33.5 | ----- | 83.3     | 38.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5                  | 20.0                | 5.1  | ----- | 20.0    | 10.0 | ----- | 20.0     | 14.2 | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4                  | 25.0                | 8.1  | ----- | 25.0    | 14.7 | ----- | 25.0     | 19.1 | ----- |
| Open Reduction of Hip Fracture.....        | 3                  | 0.0                 | 8.7  | ----- | 0.0     | 17.5 | ----- | 0.0      | 23.4 | ----- |
| Prostatectomy.....                         | 11                 | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.9  | ----- |
| Cholecystectomy.....                       | 3                  | 0.0                 | 4.8  | ----- | 0.0     | 9.1  | ----- | 0.0      | 11.8 | ----- |
| Hysterectomy.....                          | 5                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CHISAGO HEALTH SERVICES

Medicare Provider Number: 240028

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.3 years |
| Proportion female.....        | 59.0 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 44.3 % |
| Transferred from skilled nursing facility..... | 0.3 %  |
| Admitted for elective procedure.....           | 7.2 %  |
| Admitted for emergency.....                    | 32.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.5 %  |
| Chronic cardiovascular disease..... | 43.0 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 2.0 %  |
| Chronic pulmonary disease.....      | 12.7 % |
| Cerebrovascular degeneration.....   | 7.5 %  |
| Diabetes mellitus.....              | 10.4 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 83.8%  |
| State .....         | 13.5%  |
| Outside State ..... | 2.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.6 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 81                  |
| Occupancy Rate .....       | 67.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 29.9 %              |
| Case Mix Index (CMI) ..... | 1.0983              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 18     |
| Percent of Physicians Board<br>Certified Specialists..... | 94.4 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 66     |
| Licensed Practical Nurses .....                           | 10     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLEARWATER COUNTY MEMORIAL HOSPITAL

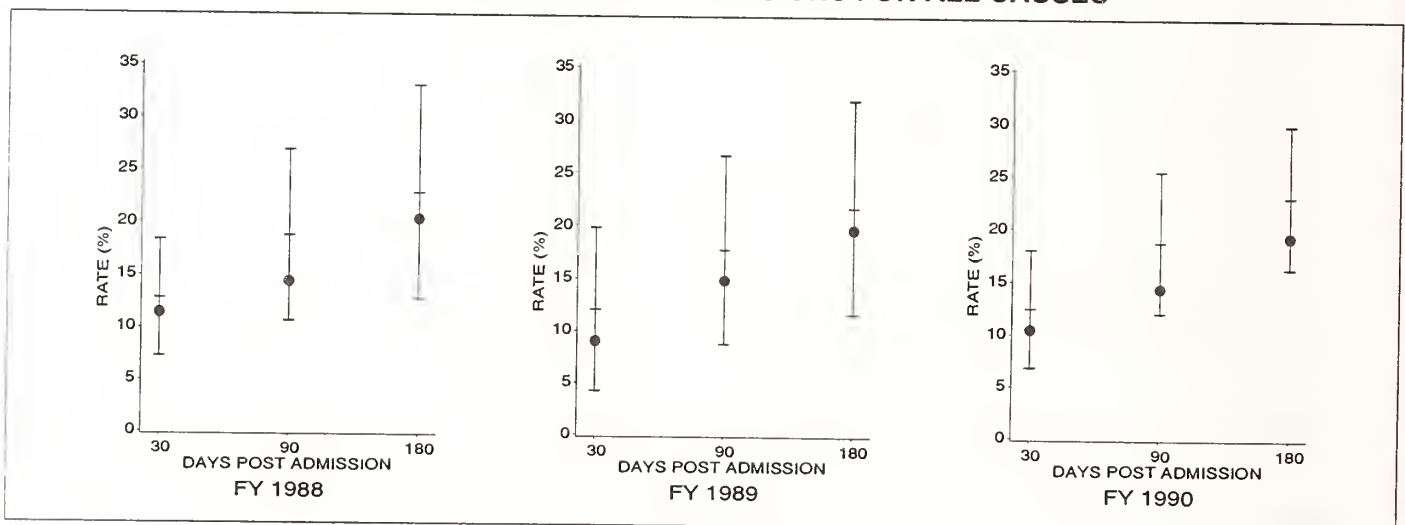
203 4TH STREET NORTHWEST  
BAGLEY, MN 56621  
Medicare Provider Number: 240096

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 182             | 10.4                | 12.4 | 2.8   | 14.3    | 18.7 | 3.4   | 19.2     | 23.0 | 3.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8               | 12.5                | 24.6 | ----- | 12.5    | 28.6 | ----- | 25.0     | 32.1 | ----- |
| Congestive Heart Failure.....              | 8               | 12.5                | 21.7 | ----- | 37.5    | 33.2 | ----- | 37.5     | 40.5 | ----- |
| Pneumonia/Influenza.....                   | 19              | 10.5                | 20.1 | ----- | 26.3    | 28.4 | ----- | 36.8     | 33.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 0.0                 | 7.4  | ----- | 0.0     | 13.4 | ----- | 16.7     | 18.3 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 3.3  | ----- | 0.0     | 7.8  | ----- | 0.0      | 13.1 | ----- |
| Stroke.....                                | 11              | 18.2                | 20.5 | ----- | 18.2    | 27.6 | ----- | 27.3     | 32.1 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 21.6 | ----- | 0.0     | 25.9 | ----- | 0.0      | 30.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 4               | 0.0                 | 1.2  | ----- | 0.0     | 2.9  | ----- | 0.0      | 5.1  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.5  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CLEARWATER COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 240096

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.4 years  
Proportion female..... 46.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 61.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.5 %  
Admitted for emergency..... 18.1 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 46.2 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 6.0 %  
Chronic pulmonary disease..... 17.6 %  
Cerebrovascular degeneration..... 8.2 %  
Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 92.4%  
State..... 6.3%  
Outside State..... 1.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.3 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 24  
Occupancy Rate..... 25.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... (Not Available)  
Case Mix Index (CMI)..... 0.9971

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMFREY HOSPITAL INC

104 WEST BROWN  
COMFREY, MN 56019  
Medicare Provider Number: 240192

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 43                 | 4.7                 | 11.6 | ---- | 11.6    | 17.3 | ---- | 16.3     | 21.4 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 1                  | 100.0               | 17.3 | ---- | 100.0   | 18.7 | ---- | 100.0    | 20.6 | ---- |
| Congestive Heart Failure.....              | 0                  |                     |      |      |         |      |      |          |      |      |
| Pneumonia/Influenza.....                   | 3                  | 0.0                 | 9.9  | ---- | 0.0     | 13.2 | ---- | 0.0      | 15.9 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 6.4  | ---- | 0.0     | 14.0 | ---- | 0.0      | 21.3 | ---- |
| Stroke.....                                | 2                  | 0.0                 | 24.0 | ---- | 0.0     | 32.9 | ---- | 50.0     | 38.4 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# COMFREY HOSPITAL INC

Medicare Provider Number: 240192

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.2 years  
Proportion female..... 62.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 90.7 %  
Transferred from skilled nursing facility..... 4.7 %  
Admitted for elective procedure..... 7.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 11.6 %  
Chronic cardiovascular disease..... 60.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 9.3 %  
Chronic pulmonary disease..... 7.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 9.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 77.0%  
State..... 21.6%  
Outside State..... 1.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.6 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 8  
Occupancy Rate..... 25.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 46.8 %  
Case Mix Index (CMI)..... 0.9313

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 25.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses..... 4

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY MEMORIAL HOSPITAL

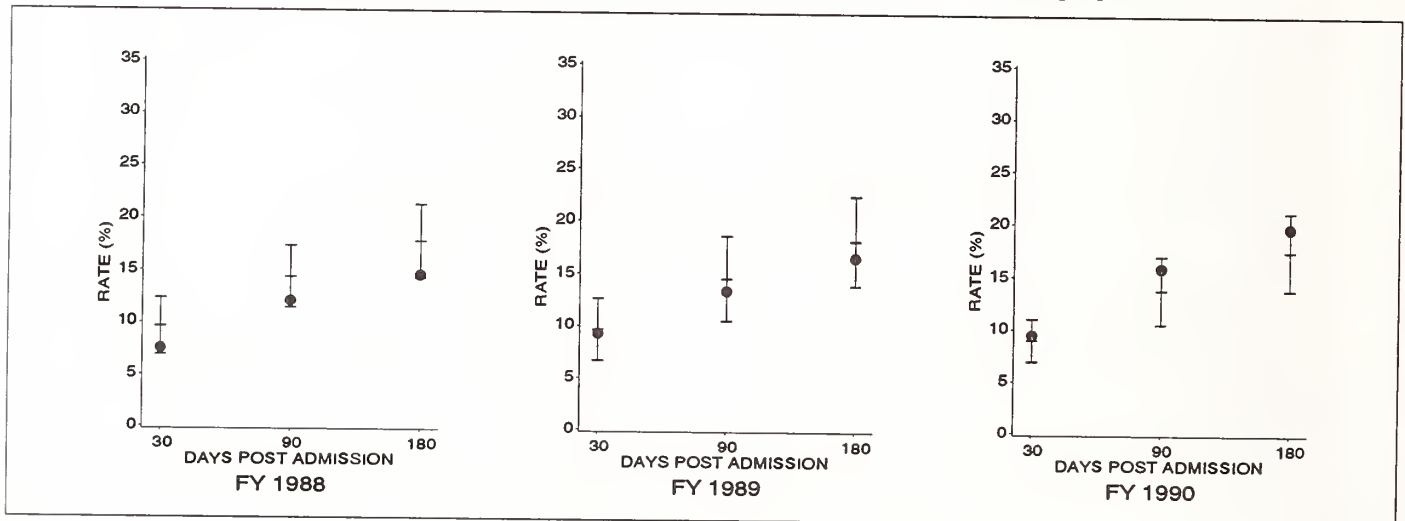
855 MANKATO AVENUE  
WINONA, MN 55987  
Medicare Provider Number: 240044

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1013            | 9.4                 | 8.9  | 1.0   | 15.8    | 13.7 | 1.6   | 19.6     | 17.4 | 1.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 38              | 15.8                | 23.2 | ----- | 18.4    | 26.7 | ----- | 18.4     | 29.3 | ----- |
| Congestive Heart Failure.....              | 68              | 16.2                | 14.8 | 4.6   | 30.9    | 23.6 | 9.5   | 33.8     | 29.8 | 12.5  |
| Pneumonia/Influenza.....                   | 59              | 16.9                | 14.5 | 5.1   | 18.6    | 20.3 | 5.5   | 20.3     | 24.4 | 6.9   |
| Chronic Obstructive Pulmonary Disease..... | 19              | 5.3                 | 7.2  | ----- | 15.8    | 13.2 | ----- | 26.3     | 17.8 | ----- |
| Transient Cerebral Ischemia.....           | 14              | 0.0                 | 1.8  | ----- | 7.1     | 4.1  | ----- | 7.1      | 6.9  | ----- |
| Stroke.....                                | 48              | 10.4                | 18.3 | ----- | 25.0    | 25.1 | ----- | 27.1     | 29.8 | ----- |
| Hip Fracture.....                          | 45              | 13.3                | 7.6  | ----- | 17.8    | 13.1 | ----- | 22.2     | 16.8 | ----- |
| Sepsis.....                                | 19              | 5.3                 | 21.1 | ----- | 5.3     | 27.7 | ----- | 15.8     | 31.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6               | 16.7                | 6.3  | ----- | 16.7    | 11.3 | ----- | 16.7     | 14.6 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 24              | 12.5                | 4.9  | ----- | 16.7    | 8.7  | ----- | 20.8     | 11.2 | ----- |
| Open Reduction of Hip Fracture.....        | 27              | 7.4                 | 6.6  | ----- | 11.1    | 11.8 | ----- | 14.8     | 15.5 | ----- |
| Prostatectomy.....                         | 23              | 8.7                 | 1.4  | ----- | 13.0    | 3.2  | ----- | 13.0     | 5.4  | ----- |
| Cholecystectomy.....                       | 30              | 3.3                 | 2.6  | ----- | 3.3     | 4.3  | ----- | 3.3      | 5.6  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 240044

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.6 years  
Proportion female..... 53.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 44.3 %  
Admitted for emergency..... 46.2 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 42.8 %  
Chronic liver disease..... 1.6 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 14.5 %  
Cerebrovascular degeneration..... 8.1 %  
Diabetes mellitus..... 4.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 80.6%  
State ..... 8.0%  
Outside State ..... 11.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.9 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 203  
Occupancy Rate ..... 73.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 43.8 %  
Case Mix Index (CMI) ..... 1.1574

### STAFFING:

Total Number of Physicians..... 38  
Percent of Physicians Board  
Certified Specialists..... 92.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 92  
Licensed Practical Nurses..... 37

\*\* Except for CMI

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\* Not used in calculating mortality rates

# COMMUNITY MEMORIAL HOSPITAL

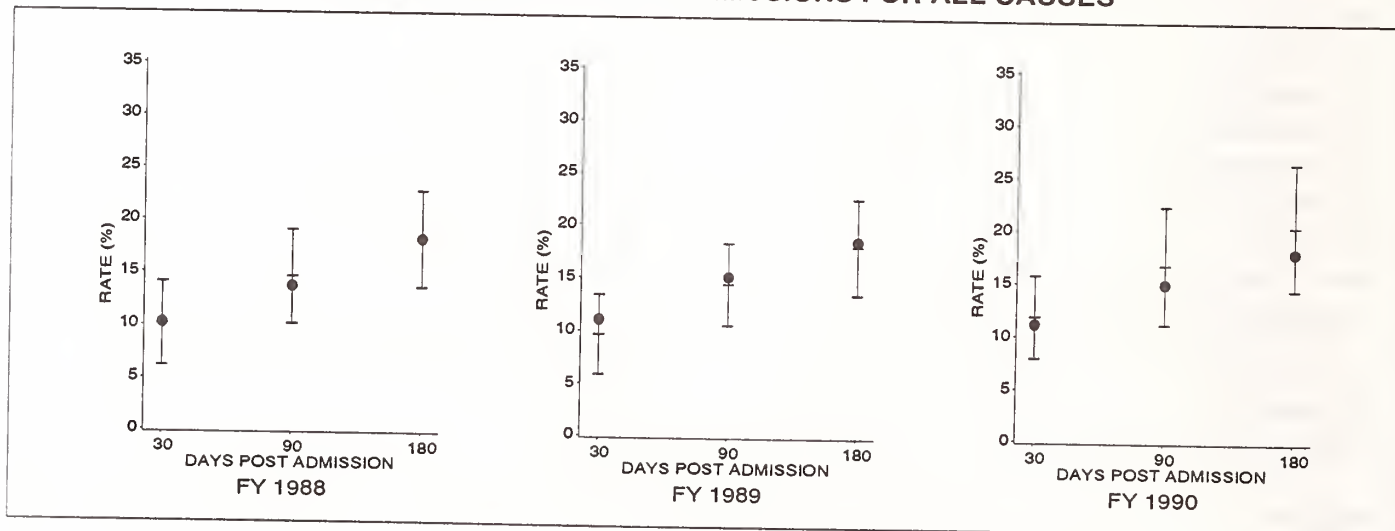
SKYLINE BLVD  
CLOQUET, MN 55720  
Medicare Provider Number: 240045

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 369             | 11.1                | 11.8 | 2.0   | 14.9    | 16.7 | 2.8   | 17.9     | 20.4 | 3.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 27              | 18.5                | 27.1 | ----- | 22.2    | 30.5 | ----- | 29.6     | 33.5 | ----- |
| Congestive Heart Failure.....              | 28              | 14.3                | 14.3 | ----- | 17.9    | 22.5 | ----- | 25.0     | 29.1 | ----- |
| Pneumonia/Influenza.....                   | 28              | 17.9                | 13.5 | ----- | 17.9    | 18.5 | ----- | 21.4     | 22.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 7.0  | ----- | 0.0     | 12.1 | ----- | 0.0      | 15.6 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 0.9  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.5  | ----- |
| Stroke.....                                | 16              | 6.3                 | 23.1 | ----- | 12.5    | 29.7 | ----- | 12.5     | 33.7 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 4.2  | ----- | 0.0     | 8.0  | ----- | 0.0      | 10.2 | ----- |
| Sepsis.....                                | 12              | 16.7                | 34.2 | ----- | 16.7    | 41.1 | ----- | 16.7     | 45.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 7               | 0.0                 | 5.3  | ----- | 0.0     | 9.0  | ----- | 0.0      | 10.7 | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.5  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 240045

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.6 years  
Proportion female..... 58.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.6 %  
Transferred from skilled nursing facility..... 0.8 %  
Admitted for elective procedure..... 3.8 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 8.4 %  
Chronic cardiovascular disease..... 42.0 %  
Chronic liver disease..... 2.2 %  
Chronic renal disease..... 1.1 %  
Chronic pulmonary disease..... 15.4 %  
Cerebrovascular degeneration..... 6.0 %  
Diabetes mellitus..... 10.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 89.8%  
State..... 9.5%  
Outside State..... 0.7%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.1 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 165  
Occupancy Rate..... 61.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 42.3 %  
Case Mix Index (CMI)..... 1.0639

### STAFFING:

Total Number of Physicians..... 12  
Percent of Physicians Board  
Certified Specialists..... 91.7 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 31  
Licensed Practical Nurses..... 9

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY MEMORIAL HOSPITAL

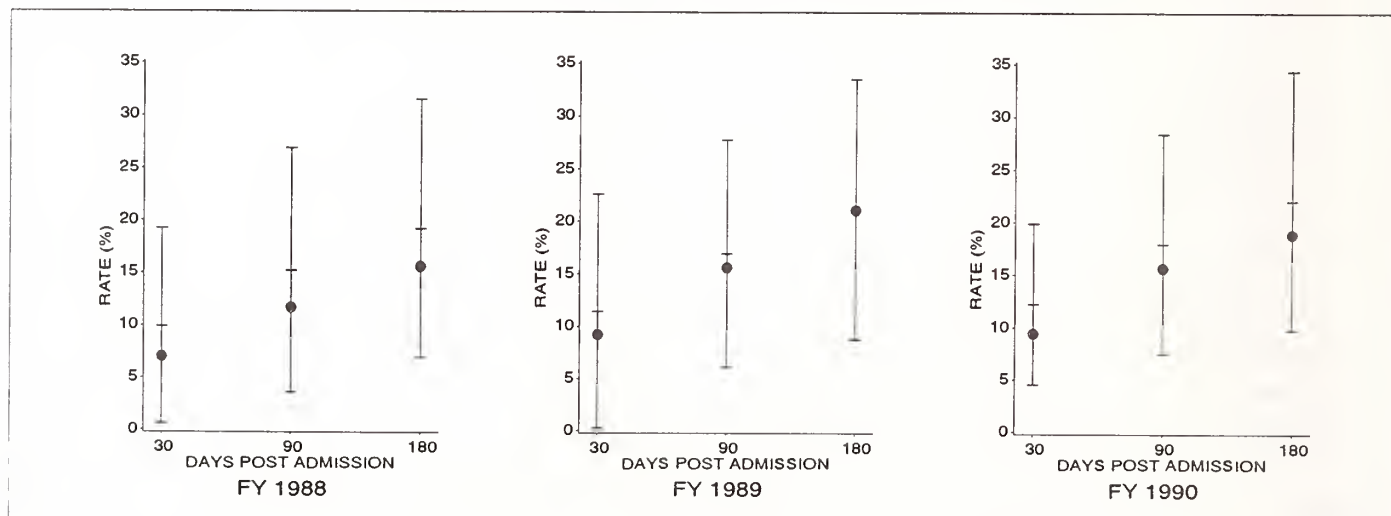
800 MEMORIAL DR  
SPRING VALLEY, MN 55975  
Medicare Provider Number: 240105

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 128             | 9.4                 | 12.2 | 3.8   | 15.6    | 17.9 | 5.2   | 18.8     | 22.0 | 6.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5               | 40.0                | 29.9 | ----- | 40.0    | 33.0 | ----- | 40.0     | 36.6 | ----- |
| Congestive Heart Failure.....              | 8               | 25.0                | 17.2 | ----- | 37.5    | 26.0 | ----- | 37.5     | 32.7 | ----- |
| Pneumonia/Influenza.....                   | 12              | 0.0                 | 19.8 | ----- | 16.7    | 27.1 | ----- | 16.7     | 32.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 8.4  | ----- | 0.0     | 15.1 | ----- | 0.0      | 19.7 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.2  | ----- | 20.0    | 2.8  | ----- | 20.0     | 4.8  | ----- |
| Stroke.....                                | 8               | 12.5                | 23.2 | ----- | 12.5    | 29.9 | ----- | 12.5     | 34.2 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 11.4 | ----- | 0.0     | 17.4 | ----- | 0.0      | 20.7 | ----- |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 240105

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 81.5 years  
Proportion female..... 63.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.9 %  
Transferred from skilled nursing facility..... 7.0 %  
Admitted for elective procedure..... 1.6 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 39.1 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 14.1 %  
Cerebrovascular degeneration..... 2.3 %  
Diabetes mellitus..... 5.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.9%  
State ..... 18.4%  
Outside State ..... 4.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 74  
Occupancy Rate ..... 68.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 74.7 %  
Case Mix Index (CMI) ..... 0.9249

### STAFFING:

Total Number of Physicians..... 20  
Percent of Physicians Board  
Certified Specialists ..... 35.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 7  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY MEMORIAL HOSPITAL

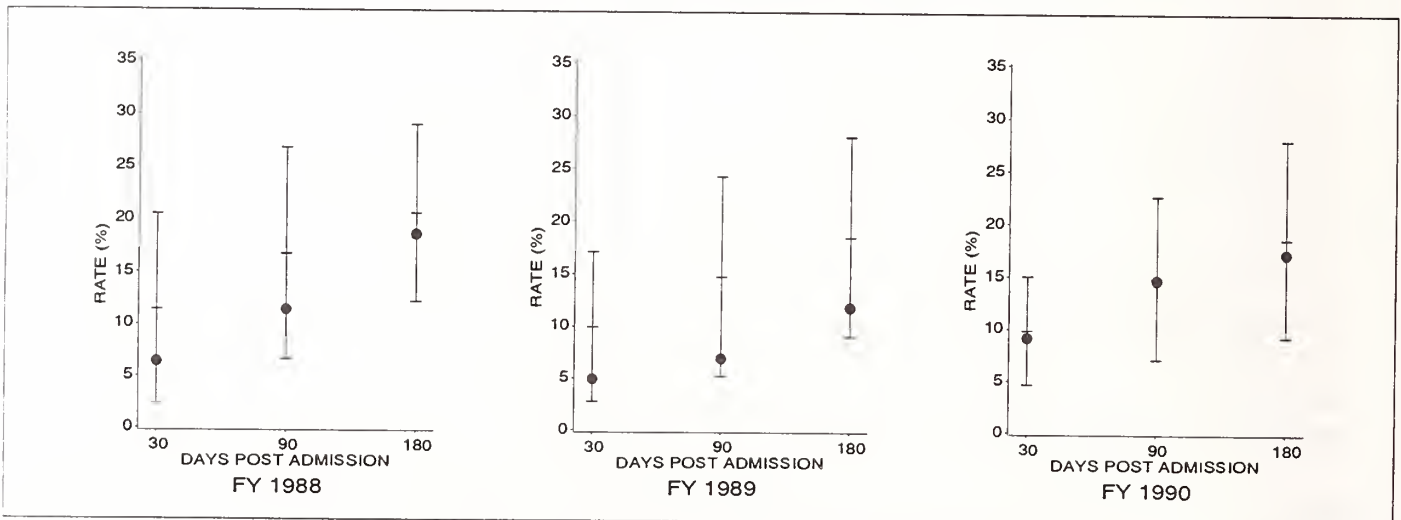
1002 COMSTOCK DRIVE  
DEER RIVER, MN 56636  
Medicare Provider Number: 240154

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 164             | 9.1                 | 9.8  | 2.6  | 14.6    | 14.8 | 3.9  | 17.1     | 18.5 | 4.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 11              | 18.2                | 21.5 | ---- | 36.4    | 24.4 | ---- | 36.4     | 27.0 | ---- |
| Congestive Heart Failure.....              | 20              | 15.0                | 17.1 | ---- | 20.0    | 27.1 | ---- | 25.0     | 34.6 | ---- |
| Pneumonia/Influenza.....                   | 10              | 10.0                | 14.9 | ---- | 10.0    | 20.2 | ---- | 10.0     | 23.8 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 2.7  | ---- | 0.0     | 5.4  | ---- | 0.0      | 8.3  | ---- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 0.6  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.1  | ---- |
| Stroke.....                                | 7               | 14.3                | 15.0 | ---- | 14.3    | 19.1 | ---- | 14.3     | 22.3 | ---- |
| Hip Fracture.....                          | 1               | 100.0               | 8.0  | ---- | 100.0   | 15.1 | ---- | 100.0    | 21.8 | ---- |
| Sepsis.....                                | 3               | 66.7                | 21.6 | ---- | 66.7    | 28.1 | ---- | 66.7     | 32.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 3               | 0.0                 | 2.0  | ---- | 0.0     | 5.4  | ---- | 0.0      | 9.9  | ---- |
| Cholecystectomy.....                       | 0               |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 240154

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.5 years  
Proportion female..... 53.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 36.6 %  
Transferred from skilled nursing facility..... 9.8 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 4.9 %  
Chronic cardiovascular disease..... 35.4 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.6 %  
Chronic pulmonary disease..... 8.5 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 74.0%  
State ..... 21.4%  
Outside State ..... 4.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.5 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 70  
Occupancy Rate ..... 81.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.0315

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 15  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COOK COMMUNITY HOSPITAL

10 SOUTH FIFTH STREET EAST

COOK, MN 55723

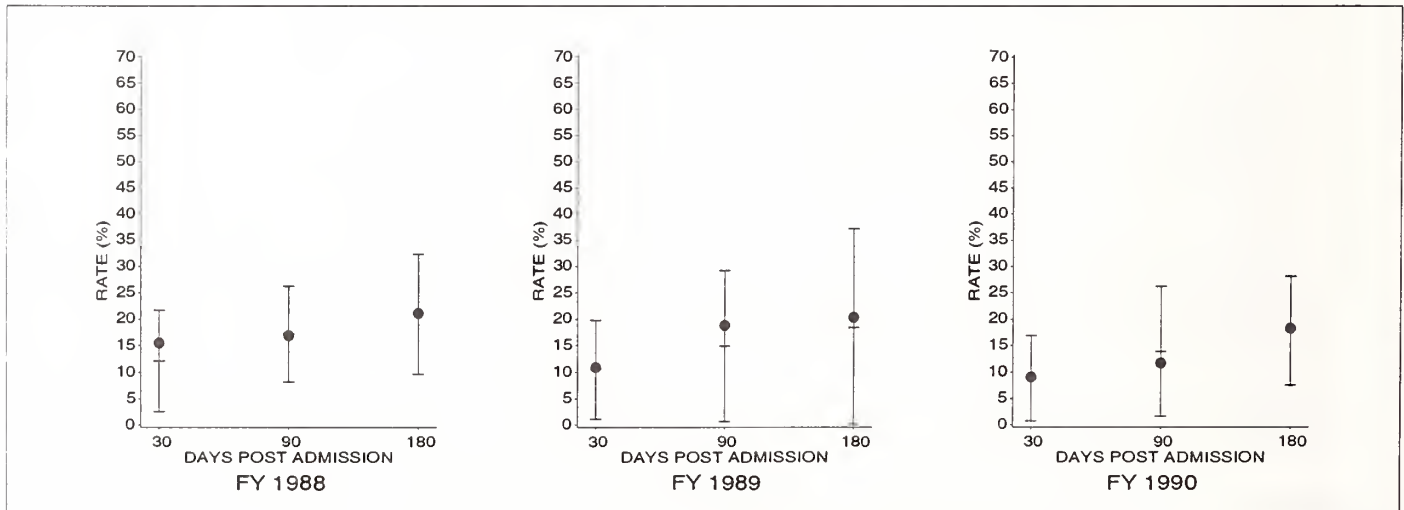
Medicare Provider Number: 240200

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 77              | 9.1                 | 8.8  | 4.0   | 11.7    | 13.9 | 6.2   | 18.2     | 17.8 | 5.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2               | 0.0                 | 21.1 | ----- | 0.0     | 23.6 | ----- | 0.0      | 26.4 | ----- |
| Congestive Heart Failure.....              | 3               | 0.0                 | 11.4 | ----- | 0.0     | 18.6 | ----- | 33.3     | 24.1 | ----- |
| Pneumonia/Influenza.....                   | 6               | 33.3                | 9.9  | ----- | 33.3    | 14.0 | ----- | 33.3     | 17.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 4.7  | ----- | 0.0     | 9.4  | ----- | 0.0      | 13.0 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 6               | 33.3                | 19.1 | ----- | 33.3    | 24.3 | ----- | 33.3     | 28.1 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 30.3 | ----- | 0.0     | 40.2 | ----- | 0.0      | 44.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COOK COMMUNITY HOSPITAL

Medicare Provider Number: 240200

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 51.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 93.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 2.6 %

### COMORBIDITIES:

Cancer..... 5.2 %  
Chronic cardiovascular disease..... 31.2 %  
Chronic liver disease..... 2.6 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 13.0 %  
Cerebrovascular degeneration..... 1.3 %  
Diabetes mellitus..... 11.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 94.1 %  
State ..... 1.7 %  
Outside State ..... 4.2 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.4 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 55  
Occupancy Rate ..... 83.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 59.0 %  
Case Mix Index (CMI) ..... 0.9652

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COOK COUNTY NORTH SHORE HOSPITAL

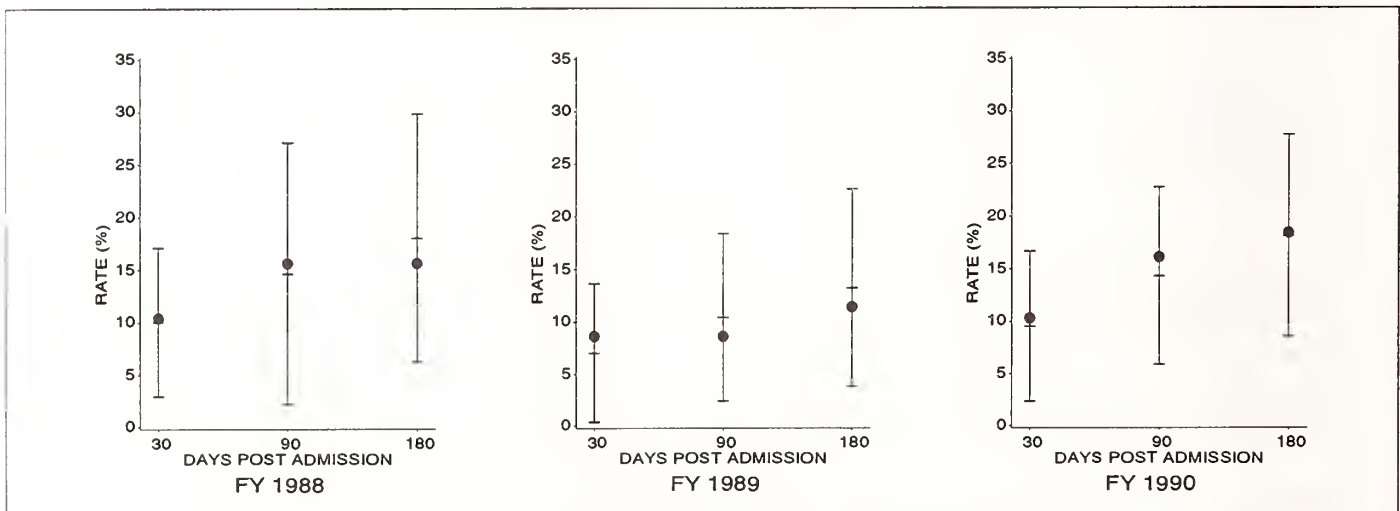
GUNFLINT TRAIL  
GRAND MARAIS, MN 55604  
Medicare Provider Number: 240119

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 87              | 10.3                | 9.5  | 3.6  | 16.1    | 14.3 | 4.2  | 18.4     | 18.1 | 4.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 7               | 28.6                | 25.1 | ---- | 28.6    | 27.8 | ---- | 28.6     | 30.9 | ---- |
| Congestive Heart Failure.....              | 3               | 33.3                | 13.3 | ---- | 33.3    | 23.1 | ---- | 33.3     | 29.7 | ---- |
| Pneumonia/Influenza.....                   | 6               | 16.7                | 9.8  | ---- | 16.7    | 13.1 | ---- | 16.7     | 16.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 10.4 | ---- | 0.0     | 15.2 | ---- | 0.0      | 20.2 | ---- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 2.2  | ---- | 0.0     | 4.9  | ---- | 0.0      | 8.1  | ---- |
| Stroke.....                                | 3               | 33.3                | 17.4 | ---- | 33.3    | 21.0 | ---- | 33.3     | 23.7 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0               |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COOK COUNTY NORTH SHORE HOSPITAL

Medicare Provider Number: 240119

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 52.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 29.9 %

### COMORBIDITIES:

Cancer..... 9.2 %  
Chronic cardiovascular disease..... 28.7 %  
Chronic liver disease..... 2.3 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 10.3 %  
Cerebrovascular degeneration..... 8.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 71.7%  
State ..... 18.4%  
Outside State ..... 9.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 63  
Occupancy Rate ..... 76.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 36.1 %  
Case Mix Index (CMI) ..... 0.8818

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 75.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# **CUYUNA RANGE DISTRICT HOSPITAL**

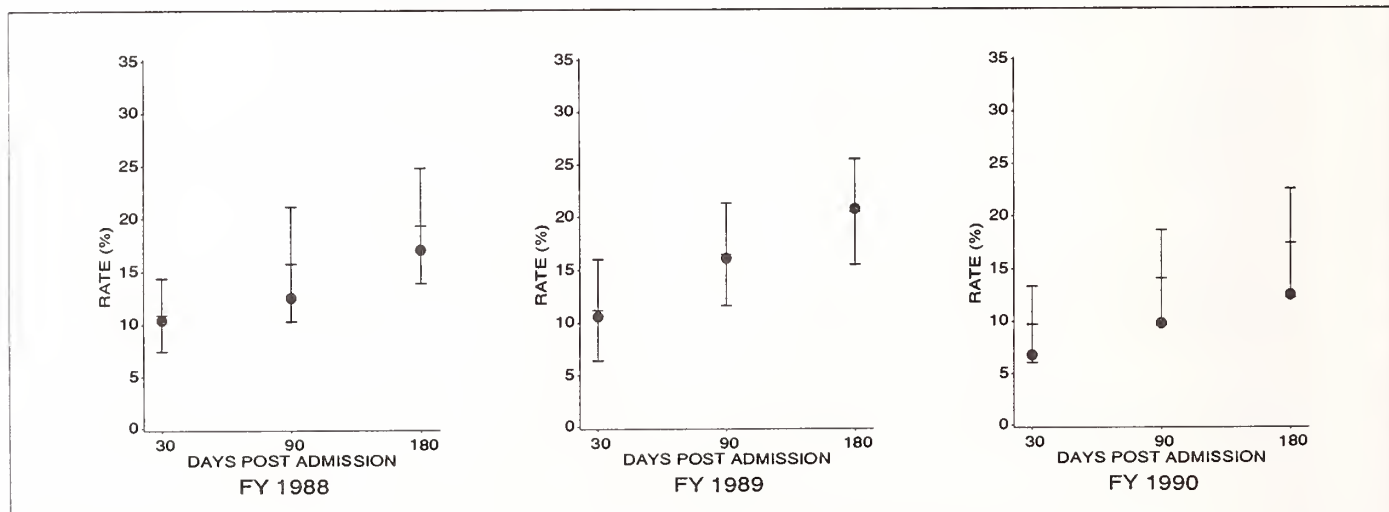
320 EAST MAIN STREET  
CROSBY, MN 56441  
Medicare Provider Number: 240137

## **FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 367             | 6.8                 | 9.7  | 1.8  | 9.8     | 14.1 | 2.3  | 12.5     | 17.4 | 2.6  |
| <b>CONDITIONS:</b>                         |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 23              | 13.0                | 31.3 | ---- | 13.0    | 34.9 | ---- | 13.0     | 38.1 | ---- |
| Congestive Heart Failure.....              | 28              | 14.3                | 15.8 | ---- | 21.4    | 25.0 | ---- | 25.0     | 32.1 | ---- |
| Pneumonia/Influenza.....                   | 33              | 15.2                | 16.4 | ---- | 15.2    | 22.2 | ---- | 18.2     | 26.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 7               | 14.3                | 10.5 | ---- | 14.3    | 17.5 | ---- | 14.3     | 22.9 | ---- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.0  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.8  | ---- |
| Stroke.....                                | 14              | 21.4                | 24.2 | ---- | 28.6    | 32.2 | ---- | 35.7     | 36.9 | ---- |
| Hip Fracture.....                          | 6               | 16.7                | 8.5  | ---- | 16.7    | 14.6 | ---- | 16.7     | 18.2 | ---- |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| <b>PROCEDURES:</b>                         |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 3.5  | ---- | 0.0     | 7.0  | ---- | 0.0      | 9.6  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 5               | 0.0                 | 7.1  | ---- | 0.0     | 12.4 | ---- | 0.0      | 15.7 | ---- |
| Prostatectomy.....                         | 15              | 0.0                 | 2.0  | ---- | 0.0     | 4.7  | ---- | 0.0      | 7.8  | ---- |
| Cholecystectomy.....                       | 6               | 0.0                 | 2.7  | ---- | 0.0     | 4.5  | ---- | 0.0      | 5.5  | ---- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## **OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# CUYUNA RANGE DISTRICT HOSPITAL

Medicare Provider Number: 240137

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
Proportion female..... 54.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.6 %  
Transferred from skilled nursing facility..... 7.1 %  
Admitted for elective procedure..... 15.5 %  
Admitted for emergency..... 27.0 %

### COMORBIDITIES:

Cancer..... 6.0 %  
Chronic cardiovascular disease..... 46.0 %  
Chronic liver disease..... 1.4 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 18.8 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 11.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.8%  
State ..... 20.9%  
Outside State ..... 3.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 172  
Occupancy Rate ..... 79.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 53.5 %  
Case Mix Index (CMI) ..... 1.2079

### STAFFING:

Total Number of Physicians..... 9  
Percent of Physicians Board  
Certified Specialists..... 77.8 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 3  
Licensed Practical Nurses..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# DISTRICT MEMORIAL HOSPITAL

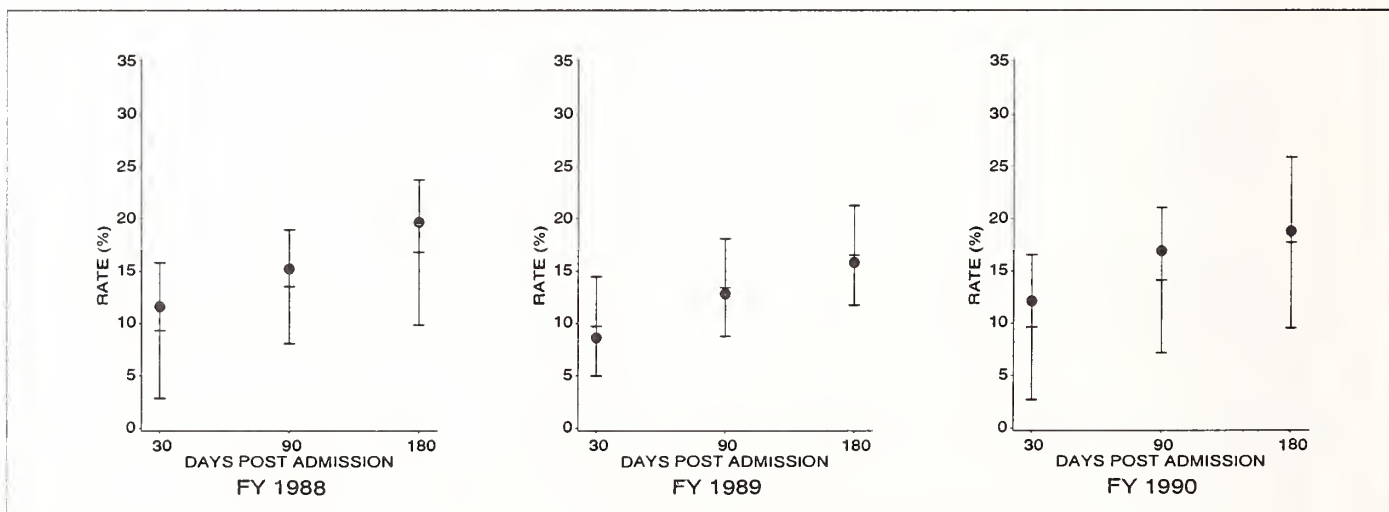
246 11TH AVENUE SE  
FOREST LAKE, MN 55025  
Medicare Provider Number: 240050

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 207             | 12.1                | 9.6  | 3.5   | 16.9    | 14.1 | 3.5   | 18.8     | 17.7 | 4.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5               | 20.0                | 34.8 | ----- | 20.0    | 38.0 | ----- | 20.0     | 40.6 | ----- |
| Congestive Heart Failure.....              | 20              | 5.0                 | 15.1 | ----- | 10.0    | 24.1 | ----- | 20.0     | 30.7 | ----- |
| Pneumonia/Influenza.....                   | 12              | 25.0                | 13.5 | ----- | 25.0    | 18.1 | ----- | 33.3     | 22.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 7.8  | ----- | 0.0     | 15.7 | ----- | 0.0      | 21.9 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.8  | ----- |
| Stroke.....                                | 7               | 28.6                | 28.8 | ----- | 42.9    | 34.4 | ----- | 42.9     | 37.7 | ----- |
| Hip Fracture.....                          | 9               | 0.0                 | 6.7  | ----- | 0.0     | 12.3 | ----- | 0.0      | 16.5 | ----- |
| Sepsis.....                                | 2               | 100.0               | 46.7 | ----- | 100.0   | 55.3 | ----- | 100.0    | 61.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 50.0                | 8.1  | ----- | 100.0   | 16.0 | ----- | 100.0    | 22.0 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 3.7  | ----- | 0.0     | 7.5  | ----- | 0.0      | 11.0 | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 11.3 | ----- | 0.0     | 20.7 | ----- | 0.0      | 26.6 | ----- |
| Prostatectomy.....                         | 7               | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 0.0      | 2.2  | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 1.3  | ----- | 0.0     | 2.1  | ----- | 0.0      | 2.8  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 6.2  | ----- | 0.0     | 10.9 | ----- | 0.0      | 16.0 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DISTRICT MEMORIAL HOSPITAL

Medicare Provider Number: 240050

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.1 years  
 Proportion female..... 58.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.1 %  
 Transferred from skilled nursing facility..... 1.0 %  
 Admitted for elective procedure..... 37.7 %  
 Admitted for emergency..... 57.5 %

### COMORBIDITIES:

Cancer..... 5.3 %  
 Chronic cardiovascular disease..... 42.0 %  
 Chronic liver disease..... 1.0 %  
 Chronic renal disease..... 2.9 %  
 Chronic pulmonary disease..... 18.4 %  
 Cerebrovascular degeneration..... 4.3 %  
 Diabetes mellitus..... 7.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 57.6%  
 State ..... 37.4%  
 Outside State ..... 5.0%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.9 Days  
 State ..... 6.6 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 44  
 Occupancy Rate ..... 27.0 %  
 Ownership/Control..... District/Authority  
 Medicare Discharges ..... 19.2 %  
 Case Mix Index (CMI) ..... 1.0070

### STAFFING:

Total Number of Physicians..... 16  
 Percent of Physicians Board  
 Certified Specialists..... 100.0 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 22  
 Licensed Practical Nurses..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric..... No  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# DIVINE PROVIDENCE HOSPITAL

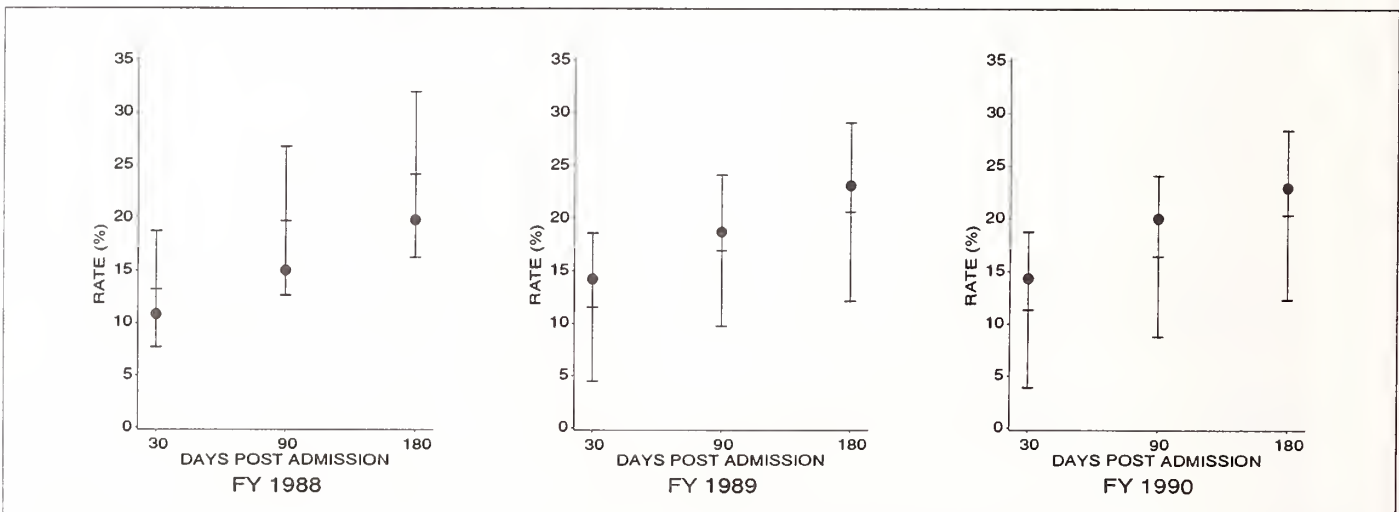
312 E GEORGE ST  
IVANHOE, MN 56142  
Medicare Provider Number: 240184

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 105             | 14.3                | 11.3 | 3.7  | 20.0    | 16.4 | 3.8  | 22.9     | 20.3 | 4.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 7               | 57.1                | 30.8 | ---- | 57.1    | 34.5 | ---- | 57.1     | 38.4 | ---- |
| Congestive Heart Failure.....              | 6               | 16.7                | 19.6 | ---- | 16.7    | 30.2 | ---- | 33.3     | 37.2 | ---- |
| Pneumonia/Influenza.....                   | 16              | 0.0                 | 10.8 | ---- | 6.3     | 14.6 | ---- | 6.3      | 18.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 11.2 | ---- | 0.0     | 20.1 | ---- | 0.0      | 25.6 | ---- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 1.4  | ---- | 0.0     | 2.9  | ---- | 0.0      | 4.4  | ---- |
| Stroke.....                                | 4               | 50.0                | 20.8 | ---- | 75.0    | 29.2 | ---- | 75.0     | 35.3 | ---- |
| Hip Fracture.....                          | 4               | 0.0                 | 8.9  | ---- | 25.0    | 15.5 | ---- | 50.0     | 19.9 | ---- |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 4.7  | ---- | 0.0     | 10.7 | ---- | 100.0    | 15.7 | ---- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 3               | 0.0                 | 0.2  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.1  | ---- |
| Cholecystectomy.....                       | 2               | 0.0                 | 8.2  | ---- | 0.0     | 12.6 | ---- | 0.0      | 14.6 | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DIVINE PROVIDENCE HOSPITAL

Medicare Provider Number: 240184

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.1 years  
Proportion female..... 57.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 59.0 %  
Transferred from skilled nursing facility..... 11.4 %  
Admitted for elective procedure..... 19.0 %  
Admitted for emergency..... 1.0 %

### COMORBIDITIES:

Cancer..... 7.6 %  
Chronic cardiovascular disease..... 40.0 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 7.6 %  
Chronic pulmonary disease..... 18.1 %  
Cerebrovascular degeneration..... 12.4 %  
Diabetes mellitus..... 4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 63.9%  
State ..... 34.2%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.4 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 79  
Occupancy Rate ..... 65.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 54.1 %  
Case Mix Index (CMI) ..... 1.0406

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# DIVINE REDEEMER MEMORIAL HOSPITAL

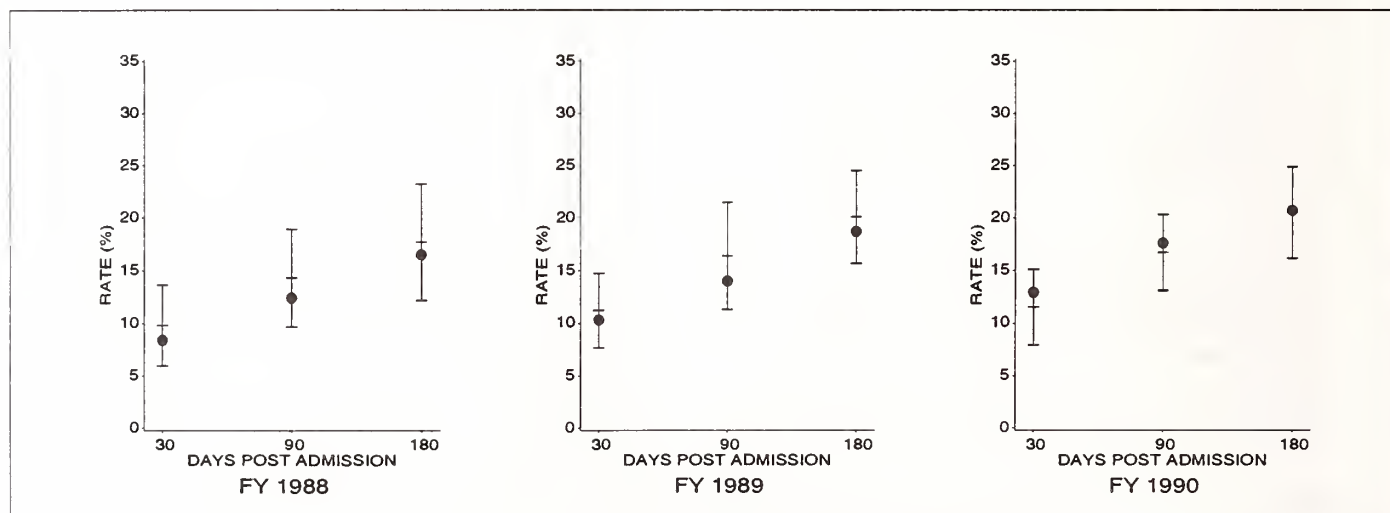
724 19TH AVE NORTH  
SOUTH ST PAUL, MN 55075  
Medicare Provider Number: 240003

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 619             | 12.9                | 11.5 | 1.8   | 17.6    | 16.7 | 1.8   | 20.7     | 20.5 | 2.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 29              | 41.4                | 29.5 | ----- | 48.3    | 33.0 | ----- | 48.3     | 36.0 | ----- |
| Congestive Heart Failure.....              | 35              | 17.1                | 14.4 | ----- | 20.0    | 22.2 | ----- | 22.9     | 28.1 | ----- |
| Pneumonia/Influenza.....                   | 37              | 10.8                | 15.0 | ----- | 16.2    | 20.8 | ----- | 18.9     | 24.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 10              | 0.0                 | 9.9  | ----- | 0.0     | 16.4 | ----- | 20.0     | 21.7 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.5  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.8  | ----- |
| Stroke.....                                | 26              | 26.9                | 21.3 | ----- | 26.9    | 25.9 | ----- | 30.8     | 29.0 | ----- |
| Hip Fracture.....                          | 21              | 9.5                 | 6.6  | ----- | 14.3    | 12.3 | ----- | 14.3     | 16.6 | ----- |
| Sepsis.....                                | 2               | 50.0                | 13.4 | ----- | 50.0    | 22.7 | ----- | 50.0     | 27.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 8               | 0.0                 | 6.3  | ----- | 12.5    | 11.2 | ----- | 12.5     | 15.7 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 12              | 0.0                 | 4.6  | ----- | 8.3     | 8.9  | ----- | 8.3      | 12.2 | ----- |
| Open Reduction of Hip Fracture.....        | 10              | 20.0                | 7.1  | ----- | 20.0    | 13.6 | ----- | 20.0     | 18.4 | ----- |
| Prostatectomy.....                         | 22              | 0.0                 | 1.2  | ----- | 4.5     | 2.7  | ----- | 4.5      | 4.6  | ----- |
| Cholecystectomy.....                       | 7               | 0.0                 | 0.9  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.3  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DIVINE REDEEMER MEMORIAL HOSPITAL

Medicare Provider Number: 240003

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.3 years  
Proportion female..... 53.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 34.9 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 19.7 %  
Admitted for emergency..... 15.3 %

### COMORBIDITIES:

Cancer..... 8.7 %  
Chronic cardiovascular disease..... 36.7 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.5 %  
Chronic pulmonary disease..... 15.2 %  
Cerebrovascular degeneration..... 6.3 %  
Diabetes mellitus..... 5.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 55.1%  
State ..... 42.2%  
Outside State ..... 2.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 95  
Occupancy Rate ..... 40.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 27.5 %  
Case Mix Index (CMI) ..... 1.2507

### STAFFING:

Total Number of Physicians..... 64  
Percent of Physicians Board  
Certified Specialists ..... 79.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 80  
Licensed Practical Nurses ..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# DOUGLAS COUNTY HOSPITAL

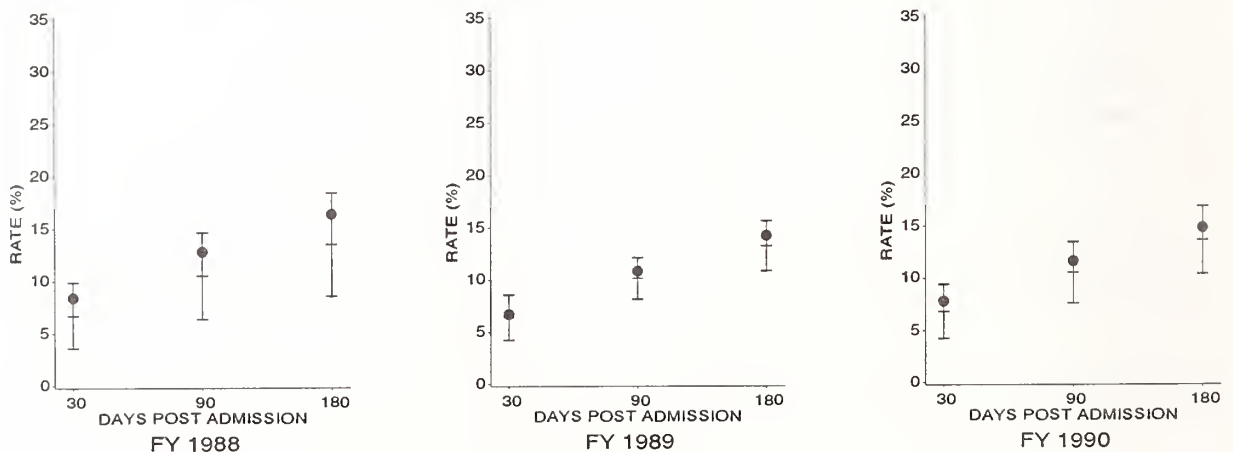
111 17TH AVENUE EAST  
ALEXANDRIA, MN 56308  
Medicare Provider Number: 240030

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1211            | 7.8                 | 6.8  | 1.3  | 11.6    | 10.5 | 1.5  | 14.8     | 13.6 | 1.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 36              | 19.4                | 21.2 | ---- | 22.2    | 24.8 | ---- | 22.2     | 28.1 | ---- |
| Congestive Heart Failure.....              | 48              | 4.2                 | 15.4 | ---- | 10.4    | 23.8 | ---- | 20.8     | 30.1 | ---- |
| Pneumonia/Influenza.....                   | 41              | 22.0                | 14.2 | ---- | 26.8    | 20.3 | ---- | 26.8     | 25.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 12              | 0.0                 | 7.3  | ---- | 16.7    | 13.0 | ---- | 25.0     | 17.7 | ---- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 0.9  | ---- | 0.0     | 2.1  | ---- | 0.0      | 3.7  | ---- |
| Stroke.....                                | 52              | 26.9                | 18.8 | 7.4  | 36.5    | 24.8 | 8.5  | 38.5     | 29.0 | 7.8  |
| Hip Fracture.....                          | 83              | 7.2                 | 5.8  | 2.8  | 9.6     | 10.4 | 3.5  | 15.7     | 13.8 | 4.3  |
| Sepsis.....                                | 4               | 25.0                | 23.9 | ---- | 25.0    | 33.6 | ---- | 25.0     | 39.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 7.8  | ---- | 0.0     | 12.6 | ---- | 0.0      | 16.3 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 66              | 4.5                 | 2.6  | 2.5  | 4.5     | 5.0  | 3.7  | 6.1      | 7.0  | 4.7  |
| Open Reduction of Hip Fracture.....        | 26              | 0.0                 | 5.8  | ---- | 3.8     | 10.4 | ---- | 11.5     | 14.0 | ---- |
| Prostatectomy.....                         | 102             | 0.0                 | 0.7  | 1.2  | 1.0     | 1.8  | 2.0  | 2.0      | 3.2  | 3.4  |
| Cholecystectomy.....                       | 39              | 0.0                 | 2.9  | ---- | 0.0     | 4.9  | ---- | 0.0      | 6.2  | ---- |
| Hysterectomy.....                          | 18              | 0.0                 | 1.8  | ---- | 5.6     | 3.9  | ---- | 5.6      | 6.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DOUGLAS COUNTY HOSPITAL

Medicare Provider Number: 240030

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.5 years  
Proportion female..... 55.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 77.3 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 64.4 %  
Admitted for emergency..... 20.3 %

### COMORBIDITIES:

Cancer..... 7.2 %  
Chronic cardiovascular disease..... 37.3 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.2 %  
Chronic pulmonary disease..... 10.7 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 5.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 59.2%  
State ..... 38.2%  
Outside State ..... 2.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 108  
Occupancy Rate ..... 47.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 53.0 %  
Case Mix Index (CMI) ..... 1.3065

### STAFFING:

Total Number of Physicians..... 37  
Percent of Physicians Board  
Certified Specialists ..... 94.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 105  
Licensed Practical Nurses ..... 28

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# DR HENRY SCHMIDT MEMORIAL HOSPITAL

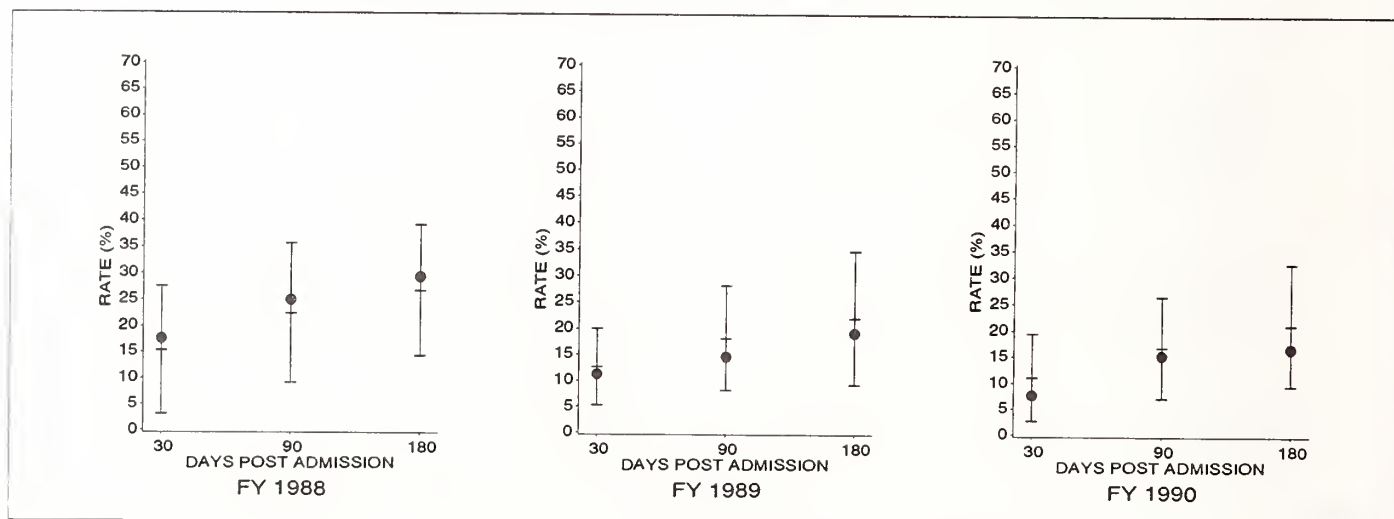
920 BELL AVE  
WESTBROOK, MN 56183  
Medicare Provider Number: 240125

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 79              | 7.6                 | 11.0 | 4.2  | 15.2    | 16.7 | 4.8  | 16.5     | 20.9 | 5.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 2               | 0.0                 | 35.8 | ---- | 0.0     | 40.0 | ---- | 0.0      | 44.0 | ---- |
| Congestive Heart Failure.....              | 1               | 0.0                 | 12.0 | ---- | 0.0     | 17.8 | ---- | 0.0      | 23.0 | ---- |
| Pneumonia/Influenza.....                   | 14              | 7.1                 | 12.0 | ---- | 14.3    | 16.8 | ---- | 14.3     | 20.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 10.6 | ---- | 0.0     | 17.7 | ---- | 0.0      | 23.0 | ---- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 3.3  | ---- | 0.0     | 6.8  | ---- | 0.0      | 11.3 | ---- |
| Stroke.....                                | 4               | 0.0                 | 22.7 | ---- | 25.0    | 30.5 | ---- | 25.0     | 34.8 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 1               | 0.0                 | 45.0 | ---- | 0.0     | 70.3 | ---- | 0.0      | 83.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0               |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DR HENRY SCHMIDT MEMORIAL HOSPITAL

Medicare Provider Number: 240125

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 81.9 years  
Proportion female..... 57.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 5.1 %  
Admitted for emergency..... 30.4 %

### COMORBIDITIES:

Cancer..... 3.8 %  
Chronic cardiovascular disease..... 31.6 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 10.1 %  
Chronic pulmonary disease..... 12.7 %  
Cerebrovascular degeneration..... 10.1 %  
Diabetes mellitus..... 3.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 67.8%  
State ..... 31.3%  
Outside State ..... 0.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 13  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.0128

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ELY BLOOMENSON COMMUNITY HOSPITAL

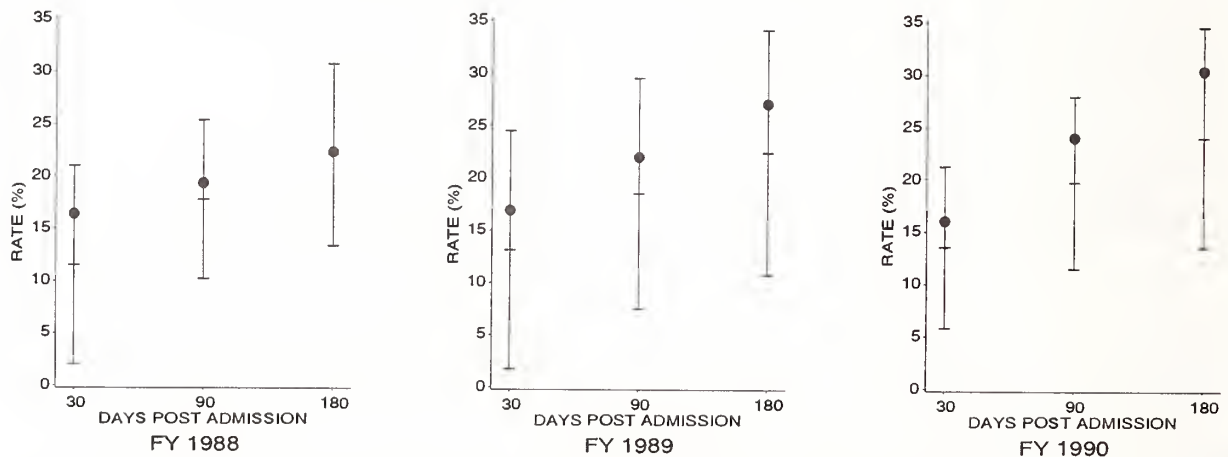
328 W CONAN STREET  
ELY, MN 55731  
Medicare Provider Number: 240155

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 125             | 16.0                | 13.5 | 3.9  | 24.0    | 19.7 | 4.1  | 30.4     | 24.0 | 5.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 9               | 33.3                | 28.3 | ---- | 33.3    | 32.1 | ---- | 33.3     | 35.4 | ---- |
| Congestive Heart Failure.....              | 13              | 15.4                | 18.1 | ---- | 23.1    | 28.2 | ---- | 46.2     | 35.6 | ---- |
| Pneumonia/Influenza.....                   | 6               | 0.0                 | 9.7  | ---- | 0.0     | 13.7 | ---- | 0.0      | 17.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 16.2 | ---- | 100.0   | 23.7 | ---- | 100.0    | 28.6 | ---- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 0.8  | ---- | 16.7    | 1.9  | ---- | 16.7     | 3.2  | ---- |
| Stroke.....                                | 3               | 33.3                | 25.9 | ---- | 33.3    | 35.9 | ---- | 33.3     | 42.1 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 2               | 50.0                | 16.8 | ---- | 50.0    | 25.5 | ---- | 50.0     | 30.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 3               | 0.0                 | 0.7  | ---- | 0.0     | 1.3  | ---- | 0.0      | 1.8  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ELY BLOOMENSON COMMUNITY HOSPITAL

Medicare Provider Number: 240155

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.0 years |
| Proportion female.....        | 49.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 36.8 % |
| Transferred from skilled nursing facility..... | 10.4 % |
| Admitted for elective procedure.....           | 4.0 %  |
| Admitted for emergency.....                    | 28.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 16.0 % |
| Chronic cardiovascular disease..... | 31.2 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 2.4 %  |
| Chronic pulmonary disease.....      | 16.0 % |
| Cerebrovascular degeneration.....   | 3.2 %  |
| Diabetes mellitus.....              | 14.4 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 94.4%  |
| State .....         | 1.1%   |
| Outside State ..... | 4.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.1 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 138                 |
| Occupancy Rate .....       | 73.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 31.3 %              |
| Case Mix Index (CMI) ..... | 1.0522              |

### STAFFING:

|                                                           |         |
|-----------------------------------------------------------|---------|
| Total Number of Physicians.....                           | 7       |
| Percent of Physicians Board<br>Certified Specialists..... | 100.0 % |
| Medical Residents/Interns .....                           | 0       |
| Registered Nurses.....                                    | 17      |
| Licensed Practical Nurses .....                           | 1       |

\*\* Except for CMI

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug.....         | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\* Not used in calculating mortality rates

# EVELETH FITZGERALD COMMUNITY HOSPITAL

227 MCKINLEY AVENUE  
EVELETH, MN 55734  
Medicare Provider Number: 240176

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 11                 | 27.3                | 16.2 | ---- | 27.3    | 21.6 | ---- | 36.4     | 25.7 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 0                  |                     |      |      |         |      |      |          |      |      |
| Pneumonia/Influenza.....                   | 1                  | 0.0                 | 7.5  | ---- | 0.0     | 9.9  | ---- | 0.0      | 12.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 100.0               | 12.6 | ---- | 100.0   | 19.8 | ---- | 100.0    | 27.6 | ---- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 2                  | 0.0                 | 13.5 | ---- | 0.0     | 17.2 | ---- | 50.0     | 19.8 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# EVELETH FITZGERALD COMMUNITY HOSPITAL

Medicare Provider Number: 240176

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 80.2 years  
Proportion female..... 72.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 100.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 100.0 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 27.3 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 18.2 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 100.0%  
State ..... 0.0%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 50  
Occupancy Rate ..... 56.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 32.3 %  
Case Mix Index (CMI) ..... 1.0236

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 50.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# FAIRMONT COMMUNITY HOSPITAL

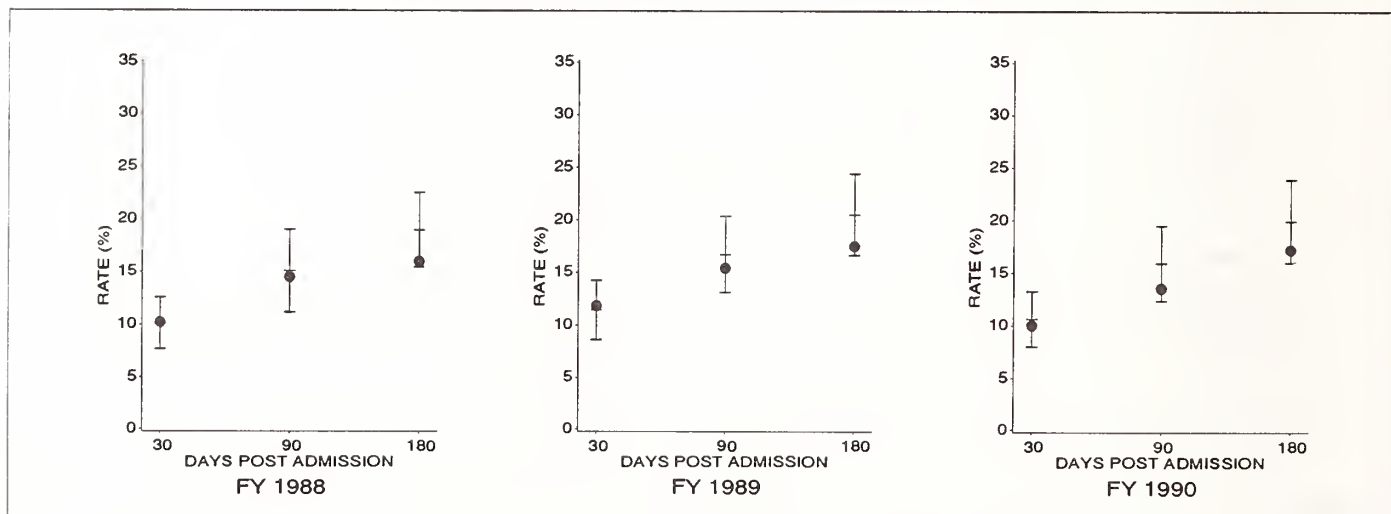
835 JOHNSON STREET  
FAIRMONT, MN 56031  
Medicare Provider Number: 240166

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 600                | 10.0                | 10.6 | 1.3  | 13.5    | 15.9 | 1.8  | 17.2     | 19.9 | 2.0  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 28                 | 35.7                | 31.1 | ---- | 39.3    | 34.5 | ---- | 39.3     | 38.1 | ---- |
| Congestive Heart Failure.....              | 17                 | 23.5                | 20.8 | ---- | 29.4    | 30.9 | ---- | 41.2     | 37.2 | ---- |
| Pneumonia/Influenza.....                   | 38                 | 18.4                | 18.8 | ---- | 21.1    | 26.4 | ---- | 28.9     | 31.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 50.0                | 14.3 | ---- | 50.0    | 26.9 | ---- | 50.0     | 35.6 | ---- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 0.7  | ---- | 0.0     | 1.7  | ---- | 0.0      | 3.0  | ---- |
| Stroke.....                                | 19                 | 15.8                | 21.4 | ---- | 21.1    | 28.9 | ---- | 26.3     | 33.6 | ---- |
| Hip Fracture.....                          | 18                 | 5.6                 | 6.8  | ---- | 11.1    | 11.7 | ---- | 11.1     | 15.6 | ---- |
| Sepsis.....                                | 10                 | 20.0                | 26.2 | ---- | 30.0    | 34.7 | ---- | 40.0     | 40.4 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 2.9  | ---- | 0.0     | 6.0  | ---- | 50.0     | 9.4  | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 5                  | 0.0                 | 3.5  | ---- | 0.0     | 6.6  | ---- | 0.0      | 9.7  | ---- |
| Open Reduction of Hip Fracture.....        | 12                 | 0.0                 | 6.6  | ---- | 8.3     | 11.9 | ---- | 8.3      | 16.0 | ---- |
| Prostatectomy.....                         | 50                 | 0.0                 | 1.0  | ---- | 2.0     | 2.2  | ---- | 2.0      | 3.7  | ---- |
| Cholecystectomy.....                       | 14                 | 7.1                 | 2.0  | ---- | 7.1     | 4.0  | ---- | 21.4     | 5.8  | ---- |
| Hysterectomy.....                          | 8                  | 0.0                 | 0.5  | ---- | 0.0     | 1.0  | ---- | 0.0      | 1.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FAIRMONT COMMUNITY HOSPITAL

Medicare Provider Number: 240166

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.5 years |
| Proportion female.....        | 48.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 52.8 % |
| Transferred from skilled nursing facility..... | 45.2 % |
| Admitted for elective procedure.....           | 27.7 % |
| Admitted for emergency.....                    | 21.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.5 %  |
| Chronic cardiovascular disease..... | 41.7 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 3.3 %  |
| Chronic pulmonary disease.....      | 9.5 %  |
| Cerebrovascular degeneration.....   | 4.3 %  |
| Diabetes mellitus.....              | 5.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 72.3%  |
| State .....         | 12.1%  |
| Outside State ..... | 15.6%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.0 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 114                 |
| Occupancy Rate .....       | 56.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 41.2 %              |
| Case Mix Index (CMI) ..... | 1.1080              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 20     |
| Percent of Physicians Board<br>Certified Specialists..... | 65.0 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 44     |
| Licensed Practical Nurses .....                           | 12     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# FAIRVIEW MILACA HOSPITAL

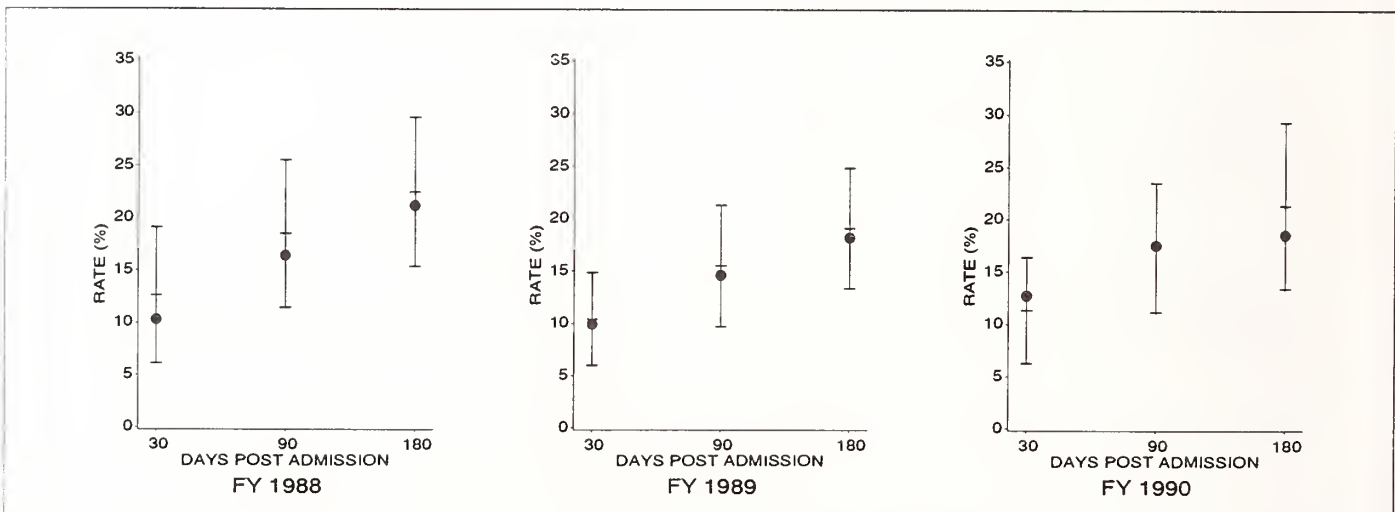
150 NW TENTH STREET  
MILACA, MN 56353  
Medicare Provider Number: 240183

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 189             | 12.7                | 11.3 | 2.5   | 17.5    | 17.3 | 3.1   | 18.5     | 21.3 | 4.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1               | 100.0               | 43.3 | ----- | 100.0   | 47.1 | ----- | 100.0    | 51.4 | ----- |
| Congestive Heart Failure.....              | 17              | 5.9                 | 15.7 | ----- | 11.8    | 24.3 | ----- | 11.8     | 30.6 | ----- |
| Pneumonia/Influenza.....                   | 14              | 21.4                | 22.1 | ----- | 35.7    | 30.6 | ----- | 42.9     | 35.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 25.0                | 11.0 | ----- | 25.0    | 18.7 | ----- | 25.0     | 24.5 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 1.5  | ----- | 0.0     | 3.6  | ----- | 0.0      | 5.7  | ----- |
| Stroke.....                                | 3               | 33.3                | 14.8 | ----- | 33.3    | 18.0 | ----- | 33.3     | 21.2 | ----- |
| Hip Fracture.....                          | 13              | 0.0                 | 7.1  | ----- | 7.7     | 12.9 | ----- | 7.7      | 16.8 | ----- |
| Sepsis.....                                | 4               | 25.0                | 31.3 | ----- | 25.0    | 42.0 | ----- | 25.0     | 47.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 3.5  | ----- | 0.0     | 6.7  | ----- | 0.0      | 9.0  | ----- |
| Open Reduction of Hip Fracture.....        | 6               | 0.0                 | 5.6  | ----- | 0.0     | 9.9  | ----- | 0.0      | 13.2 | ----- |
| Prostatectomy.....                         | 8               | 0.0                 | 0.9  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.4  | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 0.5  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.3  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FAIRVIEW MILACA HOSPITAL

Medicare Provider Number: 240183

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.3 years  
Proportion female..... 53.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 22.8 %  
Transferred from skilled nursing facility..... 10.6 %  
Admitted for elective procedure..... 11.6 %  
Admitted for emergency..... 6.3 %

### COMORBIDITIES:

Cancer..... 11.6 %  
Chronic cardiovascular disease..... 45.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.2 %  
Chronic pulmonary disease..... 8.5 %  
Cerebrovascular degeneration..... 1.1 %  
Diabetes mellitus..... 4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 78.6%  
State ..... 19.9%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 41  
Occupancy Rate ..... 12.2 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 44.3 %  
Case Mix Index (CMI) ..... 1.1343

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 13  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# FAIRVIEW PRINCETON HOSPITAL

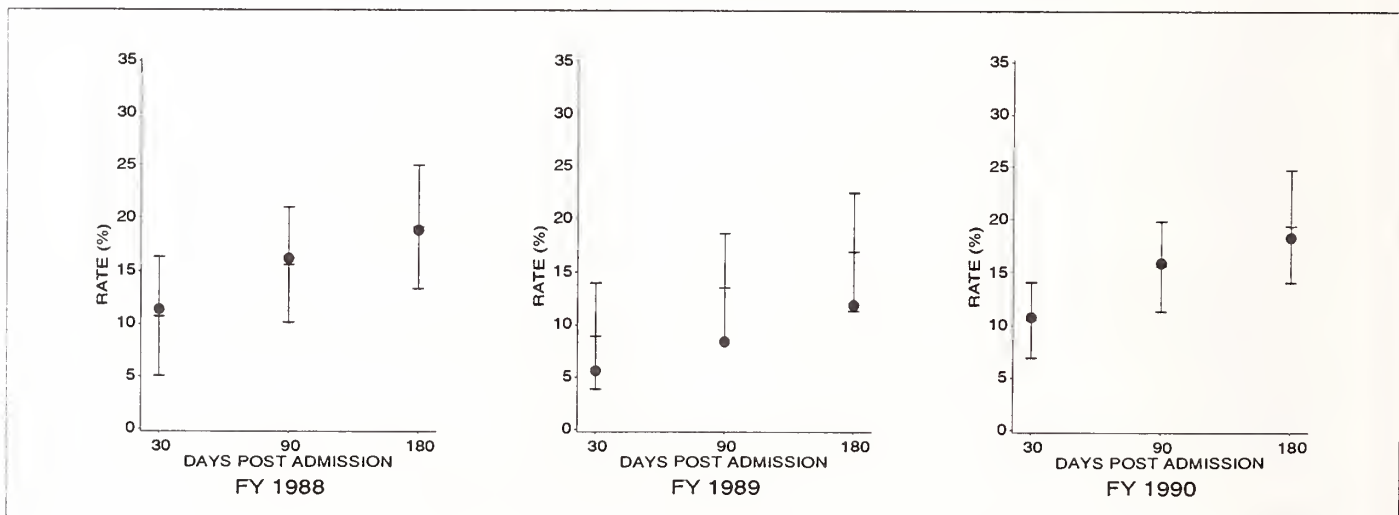
704 FIRST STREET  
PRINCETON, MN 55371  
Medicare Provider Number: 240141

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 295             | 10.8                | 10.5 | 1.8   | 15.9    | 15.6 | 2.1   | 18.3     | 19.4 | 2.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7               | 28.6                | 35.3 | ----- | 28.6    | 38.6 | ----- | 42.9     | 41.9 | ----- |
| Congestive Heart Failure.....              | 20              | 30.0                | 14.9 | ----- | 30.0    | 23.8 | ----- | 30.0     | 29.9 | ----- |
| Pneumonia/Influenza.....                   | 20              | 20.0                | 17.3 | ----- | 30.0    | 23.9 | ----- | 30.0     | 28.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 4.2  | ----- | 0.0     | 7.8  | ----- | 0.0      | 11.6 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 2.6  | ----- | 0.0     | 6.4  | ----- | 20.0     | 11.0 | ----- |
| Stroke.....                                | 11              | 27.3                | 28.1 | ----- | 36.4    | 33.8 | ----- | 36.4     | 37.7 | ----- |
| Hip Fracture.....                          | 6               | 0.0                 | 6.4  | ----- | 0.0     | 12.2 | ----- | 0.0      | 16.2 | ----- |
| Sepsis.....                                | 3               | 33.3                | 25.5 | ----- | 33.3    | 29.9 | ----- | 33.3     | 35.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 5.1  | ----- | 0.0     | 9.9  | ----- | 0.0      | 13.5 | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 3               | 0.0                 | 0.9  | ----- | 0.0     | 2.4  | ----- | 33.3     | 4.3  | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 2.6  | ----- | 0.0     | 6.0  | ----- | 0.0      | 9.6  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FAIRVIEW PRINCETON HOSPITAL

Medicare Provider Number: 240141

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.4 years |
| Proportion female.....        | 59.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 20.7 % |
| Transferred from skilled nursing facility..... | 7.1 %  |
| Admitted for elective procedure.....           | 4.7 %  |
| Admitted for emergency.....                    | 50.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.4 %  |
| Chronic cardiovascular disease..... | 37.6 % |
| Chronic liver disease.....          | 0.3 %  |
| Chronic renal disease.....          | 0.7 %  |
| Chronic pulmonary disease.....      | 11.5 % |
| Cerebrovascular degeneration.....   | 7.8 %  |
| Diabetes mellitus.....              | 9.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 69.2%  |
| State .....         | 29.0%  |
| Outside State ..... | 1.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.1 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1984

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 76                  |
| Ownership/Control.....     | Private, Non-Profit |
| Case Mix Index (CMI) ..... | 1.0499              |

### STAFFING:

|                                 |    |
|---------------------------------|----|
| Medical Residents/Interns ..... | 0  |
| Registered Nurses.....          | 15 |
| Licensed Practical Nurses.....  | 9  |

### SPECIALTY SERVICES:

|                           |     |
|---------------------------|-----|
| Burn Unit .....           | No  |
| Coronary Care Unit .....  | Yes |
| Hospice Care .....        | No  |
| Intensive Care Unit ..... | Yes |
| Organ Transplant .....    | No  |
| Trauma Center .....       | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# FAIRVIEW RIDGES HOSPITAL

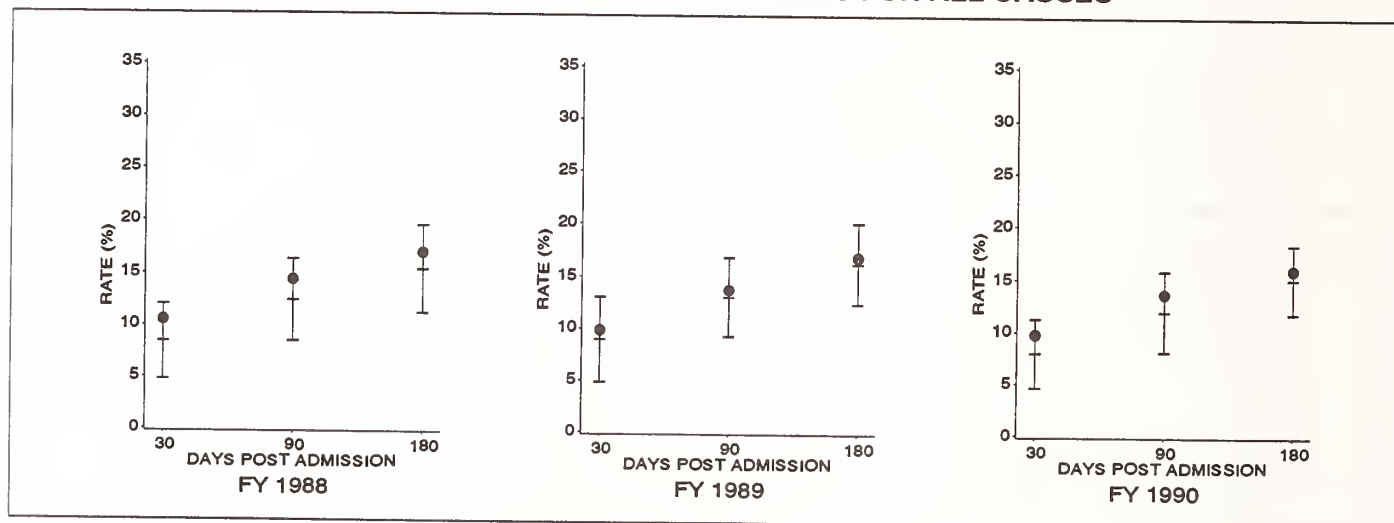
201 NICOLLET BOULEVARD  
BURNSVILLE, MN 55337  
Medicare Provider Number: 240207

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 559             | 9.7                 | 7.9  | 1.7   | 13.6    | 11.9 | 1.9   | 15.9     | 15.0 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 21              | 19.0                | 25.8 | ----- | 23.8    | 28.5 | ----- | 23.8     | 30.8 | ----- |
| Congestive Heart Failure.....              | 27              | 25.9                | 14.5 | ----- | 29.6    | 23.6 | ----- | 29.6     | 30.5 | ----- |
| Pneumonia/Influenza.....                   | 38              | 23.7                | 15.3 | ----- | 31.6    | 21.3 | ----- | 36.8     | 25.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 6.2  | ----- | 9.1     | 11.2 | ----- | 9.1      | 15.1 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 6.3                 | 1.4  | ----- | 6.3     | 3.0  | ----- | 6.3      | 4.8  | ----- |
| Stroke.....                                | 26              | 23.1                | 19.6 | ----- | 26.9    | 25.1 | ----- | 26.9     | 28.5 | ----- |
| Hip Fracture.....                          | 17              | 0.0                 | 3.9  | ----- | 0.0     | 7.0  | ----- | 5.9      | 9.6  | ----- |
| Sepsis.....                                | 3               | 0.0                 | 26.9 | ----- | 0.0     | 32.4 | ----- | 0.0      | 36.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 1.1  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.8  | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 3.2  | ----- | 0.0     | 5.8  | ----- | 0.0      | 8.6  | ----- |
| Hip Replacement/Reconstruction.....        | 9               | 0.0                 | 3.2  | ----- | 0.0     | 5.5  | ----- | 11.1     | 7.4  | ----- |
| Open Reduction of Hip Fracture.....        | 6               | 0.0                 | 3.0  | ----- | 0.0     | 5.8  | ----- | 0.0      | 8.1  | ----- |
| Prostatectomy.....                         | 17              | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.8  | ----- |
| Cholecystectomy.....                       | 10              | 10.0                | 3.0  | ----- | 10.0    | 6.2  | ----- | 10.0     | 8.9  | ----- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FAIRVIEW RIDGES HOSPITAL

Medicare Provider Number: 240207

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.0 years  
Proportion female..... 55.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 40.6 %  
Admitted for emergency..... 20.0 %

### COMORBIDITIES:

Cancer..... 6.1 %  
Chronic cardiovascular disease..... 32.0 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 10.7 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 8.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 55.4%  
State ..... 39.2%  
Outside State ..... 5.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.9 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 142  
Occupancy Rate ..... 57.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 6.6 %  
Case Mix Index (CMI) ..... 1.2253

### STAFFING:

Total Number of Physicians..... 176  
Percent of Physicians Board  
Certified Specialists..... 94.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 150  
Licensed Practical Nurses ..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FAIRVIEW SOUTHDALÉ HOSPITAL

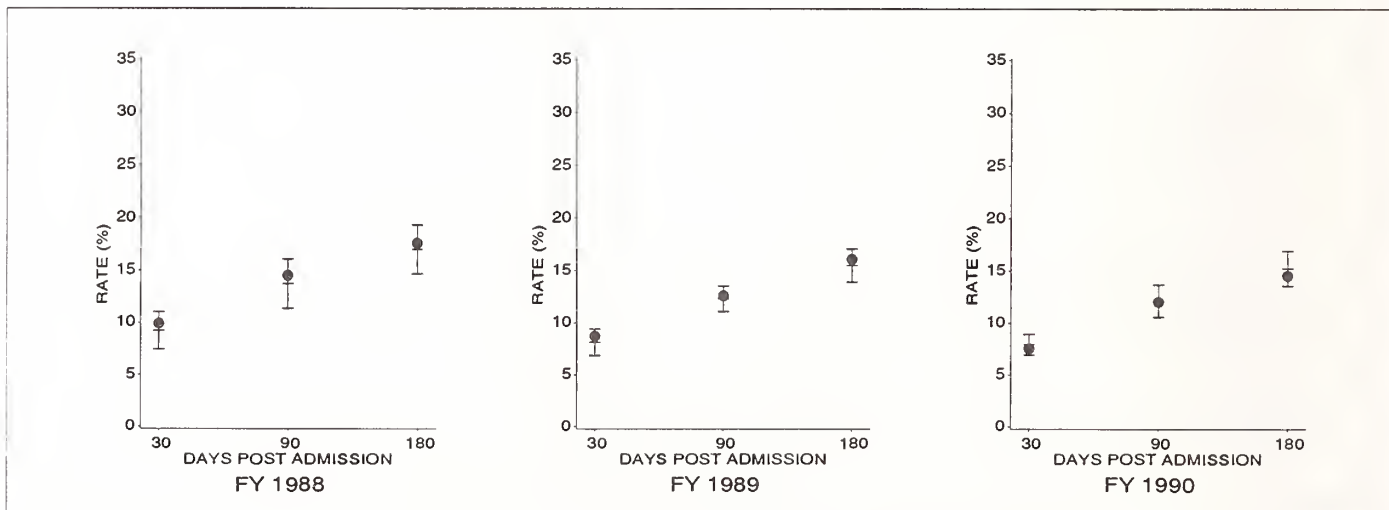
6401 FRANCE AVENUE  
EDINA, MN 55435  
Medicare Provider Number: 240078

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3880            | 7.5                 | 7.9  | 0.5  | 12.0    | 12.1 | 0.8  | 14.5     | 15.2 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 108             | 25.9                | 24.1 | 5.0  | 28.7    | 27.1 | 5.1  | 31.5     | 29.7 | 5.7  |
| Congestive Heart Failure.....              | 162             | 14.2                | 15.3 | 3.6  | 24.7    | 23.7 | 3.5  | 30.9     | 30.1 | 4.0  |
| Pneumonia/Influenza.....                   | 130             | 12.3                | 14.5 | 6.8  | 13.8    | 20.2 | 7.5  | 19.2     | 24.0 | 7.4  |
| Chronic Obstructive Pulmonary Disease..... | 32              | 12.5                | 8.3  | ---- | 12.5    | 14.3 | ---- | 15.6     | 18.8 | ---- |
| Transient Cerebral Ischemia.....           | 63              | 3.2                 | 1.7  | 2.1  | 4.8     | 3.9  | 2.7  | 11.1     | 6.3  | 4.6  |
| Stroke.....                                | 134             | 22.4                | 21.0 | 4.5  | 31.3    | 26.8 | 4.3  | 31.3     | 30.3 | 4.5  |
| Hip Fracture.....                          | 143             | 5.6                 | 5.9  | 2.0  | 10.5    | 10.6 | 2.7  | 13.3     | 14.0 | 3.1  |
| Sepsis.....                                | 37              | 16.2                | 23.6 | ---- | 16.2    | 30.3 | ---- | 21.6     | 34.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 35              | 2.9                 | 1.8  | ---- | 2.9     | 2.5  | ---- | 2.9      | 3.3  | ---- |
| Coronary Artery Bypass Graft.....          | 53              | 3.8                 | 4.6  | 4.4  | 3.8     | 6.7  | 5.5  | 3.8      | 7.6  | 5.8  |
| Initial Pacemaker Insertion.....           | 36              | 8.3                 | 2.8  | ---- | 8.3     | 5.2  | ---- | 8.3      | 7.2  | ---- |
| Carotid Endarterectomy.....                | 31              | 0.0                 | 0.9  | ---- | 3.2     | 1.8  | ---- | 3.2      | 2.7  | ---- |
| Hip Replacement/Reconstruction.....        | 116             | 3.4                 | 3.5  | 1.7  | 5.2     | 6.5  | 2.6  | 7.8      | 8.7  | 2.7  |
| Open Reduction of Hip Fracture.....        | 49              | 4.1                 | 4.9  | ---- | 10.2    | 9.3  | ---- | 12.2     | 12.5 | ---- |
| Prostatectomy.....                         | 142             | 0.0                 | 0.8  | 1.1  | 1.4     | 1.9  | 1.3  | 2.1      | 3.3  | 1.9  |
| Cholecystectomy.....                       | 61              | 0.0                 | 2.0  | ---- | 1.6     | 3.7  | ---- | 1.6      | 4.9  | ---- |
| Hysterectomy.....                          | 38              | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FAIRVIEW SOUTHDALÉ HOSPITAL

Medicare Provider Number: 240078

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.9 years  
Proportion female..... 57.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.9 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 30.9 %  
Admitted for emergency..... 19.6 %

### COMORBIDITIES:

Cancer..... 7.9 %  
Chronic cardiovascular disease..... 26.4 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.8 %  
Chronic pulmonary disease..... 8.7 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 5.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 82.0%  
State ..... 13.4%  
Outside State ..... 4.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 378  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 27.1 %  
Case Mix Index (CMI) ..... 1.3542

### STAFFING:

Total Number of Physicians..... 401  
Percent of Physicians Board  
Certified Specialists..... 97.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 406  
Licensed Practical Nurses ..... 45

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FALLS MEMORIAL HOSPITAL

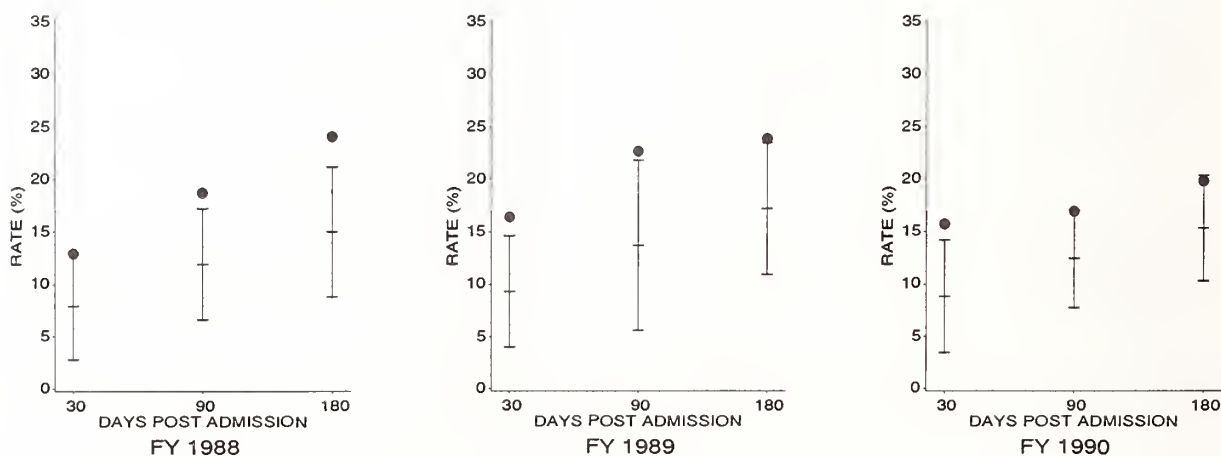
1800 THIRD STREET  
INTERNATIONAL FALLS, MN 56649  
Medicare Provider Number: 240072

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 242             | 15.7                | 8.8  | 2.7   | 16.9    | 12.4 | 2.3   | 19.8     | 15.3 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 50.0                | 21.3 | ----- | 50.0    | 25.4 | ----- | 50.0     | 28.9 | ----- |
| Congestive Heart Failure.....              | 12              | 25.0                | 14.6 | ----- | 25.0    | 22.9 | ----- | 33.3     | 29.8 | ----- |
| Pneumonia/Influenza.....                   | 28              | 10.7                | 10.5 | ----- | 10.7    | 14.5 | ----- | 10.7     | 17.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 10              | 10.0                | 6.6  | ----- | 20.0    | 11.4 | ----- | 30.0     | 15.4 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.2  | ----- | 0.0     | 2.9  | ----- | 0.0      | 5.1  | ----- |
| Stroke.....                                | 5               | 20.0                | 16.9 | ----- | 20.0    | 21.7 | ----- | 20.0     | 24.5 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 2.5  | ----- | 0.0     | 5.1  | ----- | 0.0      | 7.6  | ----- |
| Sepsis.....                                | 1               | 0.0                 | 21.5 | ----- | 0.0     | 26.6 | ----- | 0.0      | 32.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 3               | 0.0                 | 0.4  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.2  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.3  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FALLS MEMORIAL HOSPITAL

Medicare Provider Number: 240072

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.7 years  
Proportion female..... 57.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 77.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 77.7 %  
Admitted for emergency..... 19.8 %

### COMORBIDITIES:

Cancer..... 4.1 %  
Chronic cardiovascular disease..... 39.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 15.7 %  
Cerebrovascular degeneration..... 5.4 %  
Diabetes mellitus..... 5.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 91.3%  
State ..... 3.2%  
Outside State ..... 5.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 64  
Occupancy Rate ..... 32.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 25.9 %  
Case Mix Index (CMI) ..... 0.9839

### STAFFING:

Total Number of Physicians..... 14  
Percent of Physicians Board  
Certified Specialists..... 92.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 24  
Licensed Practical Nurses ..... 21

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FOSSTON MUNICIPAL HOSPITAL

900 SOUTH HILLIGOSS BLVD EAST

FOSSTON, MN 56542

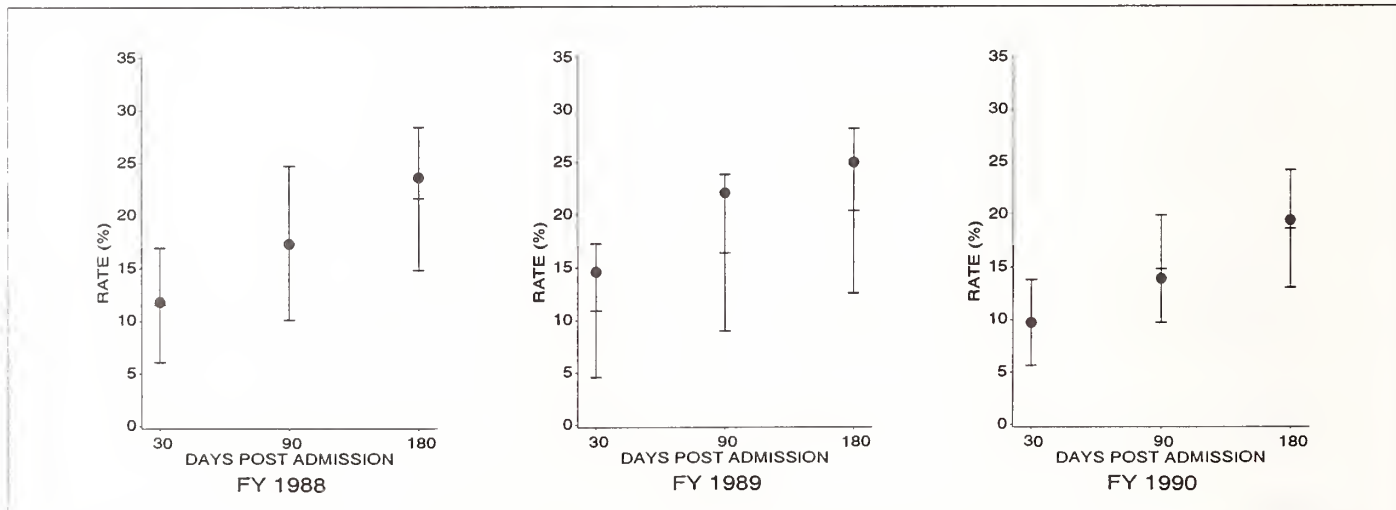
Medicare Provider Number: 240079

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 237             | 9.7                 | 9.7  | 2.0   | 13.9    | 14.8 | 2.6   | 19.4     | 18.6 | 2.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 33.3                | 27.6 | ----- | 33.3    | 32.1 | ----- | 33.3     | 36.0 | ----- |
| Congestive Heart Failure.....              | 15              | 0.0                 | 13.7 | ----- | 6.7     | 21.3 | ----- | 6.7      | 27.0 | ----- |
| Pneumonia/Influenza.....                   | 26              | 7.7                 | 14.9 | ----- | 15.4    | 20.1 | ----- | 26.9     | 23.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 13.1 | ----- | 0.0     | 24.6 | ----- | 66.7     | 33.5 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 2.0  | ----- | 0.0     | 4.6  | ----- | 0.0      | 8.0  | ----- |
| Stroke.....                                | 18              | 16.7                | 20.3 | ----- | 22.2    | 26.9 | ----- | 27.8     | 31.1 | ----- |
| Hip Fracture.....                          | 10              | 10.0                | 5.1  | ----- | 20.0    | 9.0  | ----- | 20.0     | 12.2 | ----- |
| Sepsis.....                                | 7               | 14.3                | 11.2 | ----- | 14.3    | 14.9 | ----- | 14.3     | 18.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 8               | 0.0                 | 3.5  | ----- | 12.5    | 6.6  | ----- | 12.5     | 9.4  | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 100.0               | 6.6  | ----- | 100.0   | 12.7 | ----- | 100.0    | 16.2 | ----- |
| Prostatectomy.....                         | 12              | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.7  | ----- |
| Cholecystectomy.....                       | 8               | 0.0                 | 4.0  | ----- | 12.5    | 8.3  | ----- | 12.5     | 11.9 | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 2.0  | ----- | 0.0     | 4.2  | ----- | 0.0      | 6.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FOSSTON MUNICIPAL HOSPITAL

Medicare Provider Number: 240079

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.1 years  
Proportion female..... 46.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 96.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 2.5 %

### COMORBIDITIES:

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 46.4 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 15.2 %  
Cerebrovascular degeneration..... 3.4 %  
Diabetes mellitus..... 7.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 72.8%  
State ..... 26.3%  
Outside State ..... 0.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 88  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.1489

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# GLACIAL RIDGE HOSPITAL

10 FOURTH AVENUE SOUTHEAST

GLENWOOD, MN 56334

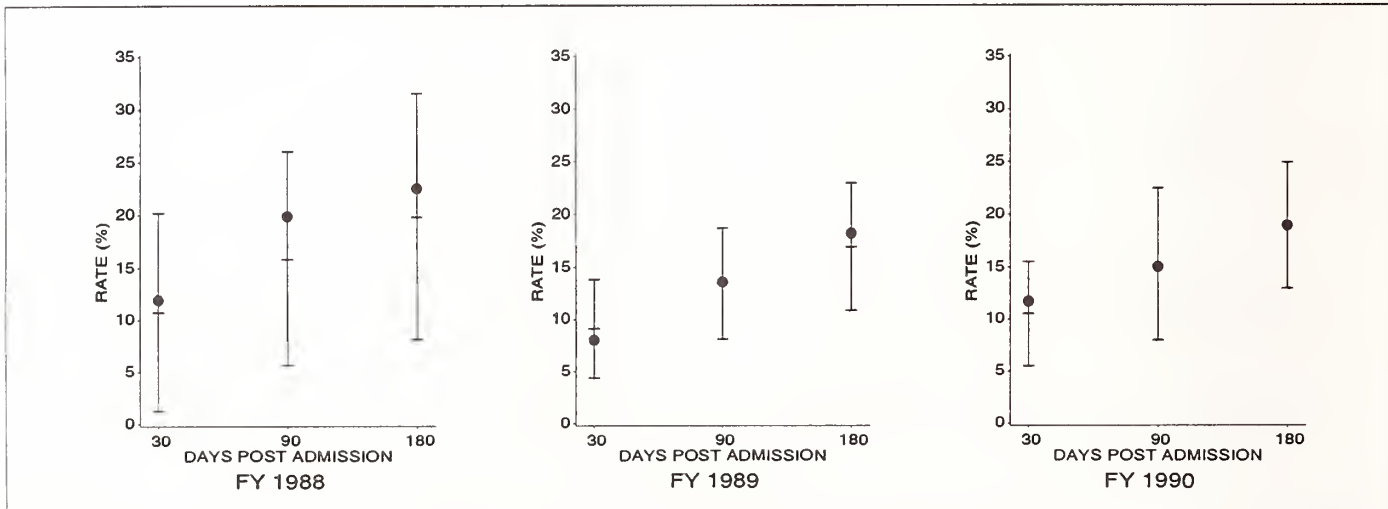
Medicare Provider Number: 240027

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 206                | 11.7                | 10.5 | 2.5  | 15.0    | 15.2 | 3.6  | 18.9     | 18.9 | 3.0  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 6                  | 33.3                | 30.8 | ---- | 33.3    | 33.9 | ---- | 33.3     | 37.1 | ---- |
| Congestive Heart Failure.....              | 16                 | 18.8                | 15.4 | ---- | 18.8    | 23.9 | ---- | 25.0     | 30.4 | ---- |
| Pneumonia/Influenza.....                   | 26                 | 23.1                | 13.8 | ---- | 30.8    | 19.2 | ---- | 30.8     | 23.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 3.2  | ---- | 0.0     | 7.0  | ---- | 0.0      | 10.7 | ---- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 2.4  | ---- | 0.0     | 5.6  | ---- | 0.0      | 9.8  | ---- |
| Stroke.....                                | 9                  | 55.6                | 21.1 | ---- | 55.6    | 28.2 | ---- | 66.7     | 32.8 | ---- |
| Hip Fracture.....                          | 3                  | 0.0                 | 8.7  | ---- | 33.3    | 16.8 | ---- | 33.3     | 22.0 | ---- |
| Sepsis.....                                | 5                  | 20.0                | 28.6 | ---- | 20.0    | 34.4 | ---- | 20.0     | 39.2 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 1.5  | ---- | 0.0     | 3.9  | ---- | 0.0      | 6.7  | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 1                  | 0.0                 | 13.7 | ---- | 100.0   | 23.0 | ---- | 100.0    | 27.1 | ---- |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 3                  | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.6  | ---- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.5  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.3  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GLACIAL RIDGE HOSPITAL

Medicare Provider Number: 240027

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.1 years  
Proportion female..... 52.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.6 %  
Transferred from skilled nursing facility..... 11.7 %  
Admitted for elective procedure..... 4.4 %  
Admitted for emergency..... 4.4 %

### COMORBIDITIES:

Cancer..... 2.9 %  
Chronic cardiovascular disease..... 31.1 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.5 %  
Chronic pulmonary disease..... 13.1 %  
Cerebrovascular degeneration..... 11.7 %  
Diabetes mellitus..... 6.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 72.9%  
State ..... 26.4%  
Outside State ..... 0.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 34  
Occupancy Rate ..... 20.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 60.8 %  
Case Mix Index (CMI) ..... 1.0888

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 7  
Licensed Practical Nurses..... 8

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# GLENCOE AREA HEALTH CENTER

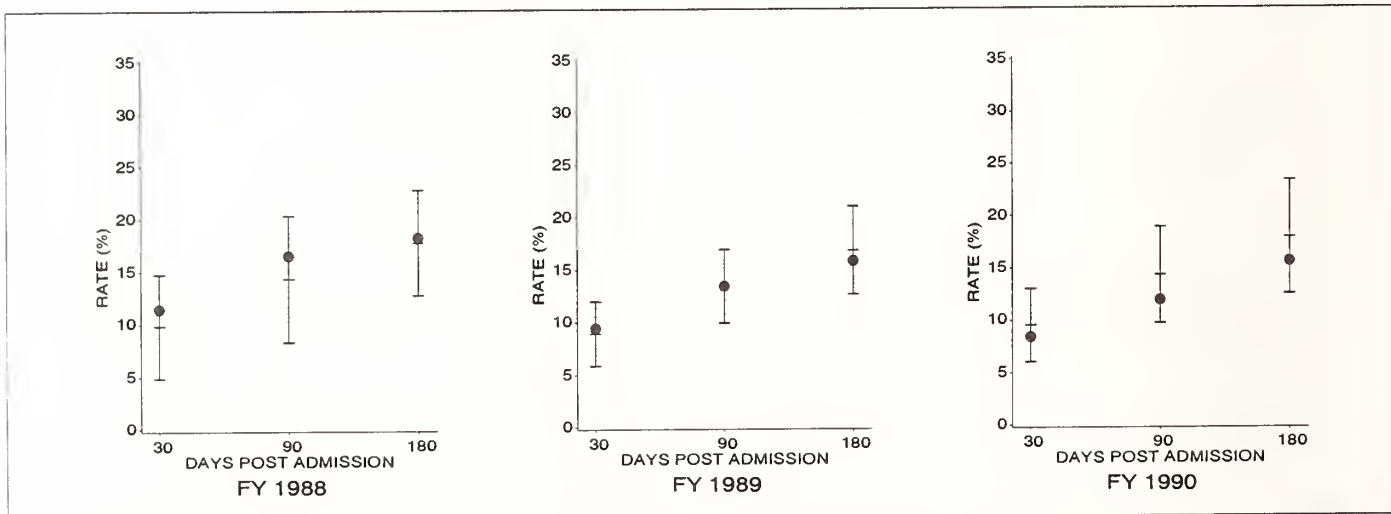
705 E 18TH ST  
GLENCOE, MN 55336  
Medicare Provider Number: 240011

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 404                | 8.4                 | 9.5  | 1.7   | 11.9    | 14.3 | 2.3   | 15.6     | 17.9 | 2.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11                 | 36.4                | 29.8 | ----- | 36.4    | 33.0 | ----- | 36.4     | 36.0 | ----- |
| Congestive Heart Failure.....              | 18                 | 33.3                | 19.8 | ----- | 38.9    | 29.2 | ----- | 44.4     | 35.7 | ----- |
| Pneumonia/Influenza.....                   | 26                 | 7.7                 | 13.7 | ----- | 11.5    | 18.5 | ----- | 15.4     | 21.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 6.8  | ----- | 0.0     | 11.8 | ----- | 33.3     | 16.3 | ----- |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 1.0  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.5  | ----- |
| Stroke.....                                | 16                 | 25.0                | 21.9 | ----- | 25.0    | 29.4 | ----- | 31.3     | 33.7 | ----- |
| Hip Fracture.....                          | 14                 | 0.0                 | 7.0  | ----- | 7.1     | 11.9 | ----- | 7.1      | 15.7 | ----- |
| Sepsis.....                                | 3                  | 0.0                 | 13.5 | ----- | 0.0     | 17.7 | ----- | 0.0      | 22.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 1.8  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.4  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 10                 | 0.0                 | 5.3  | ----- | 10.0    | 9.9  | ----- | 10.0     | 13.7 | ----- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 7.7  | ----- | 0.0     | 12.2 | ----- | 0.0      | 15.1 | ----- |
| Prostatectomy.....                         | 8                  | 0.0                 | 0.8  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.1  | ----- |
| Cholecystectomy.....                       | 9                  | 0.0                 | 2.1  | ----- | 0.0     | 3.7  | ----- | 0.0      | 4.8  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GLENCOE AREA HEALTH CENTER

Medicare Provider Number: 240011

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.3 years |
| Proportion female.....        | 56.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 55.2 % |
| Transferred from skilled nursing facility..... | 6.4 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 33.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.2 %  |
| Chronic cardiovascular disease..... | 36.1 % |
| Chronic liver disease.....          | 0.5 %  |
| Chronic renal disease.....          | 1.7 %  |
| Chronic pulmonary disease.....      | 8.4 %  |
| Cerebrovascular degeneration.....   | 3.0 %  |
| Diabetes mellitus.....              | 5.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 71.7%  |
| State .....         | 27.7%  |
| Outside State ..... | 0.6%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.2 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 159              |
| Occupancy Rate .....       | 81.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 46.2 %           |
| Case Mix Index (CMI) ..... | 1.0543           |

### STAFFING:

|                                                           |         |
|-----------------------------------------------------------|---------|
| Total Number of Physicians.....                           | 7       |
| Percent of Physicians Board<br>Certified Specialists..... | 100.0 % |
| Medical Residents/Interns .....                           | 0       |
| Registered Nurses.....                                    | 19      |
| Licensed Practical Nurses .....                           | 10      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# GOLDEN VALLEY HEALTH CENTER

4101 GOLDEN VALLEY RD  
GOLDEN VALLEY, MN 55422  
Medicare Provider Number: 240175

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 35                 | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 2.9      | 2.0  | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# GOLDEN VALLEY HEALTH CENTER

Medicare Provider Number: 240175

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 50.1 years |
| Proportion female.....        | 34.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 20.0 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 57.1 % |
| Admitted for emergency.....                    | 25.7 % |

### COMORBIDITIES:

|                                     |       |
|-------------------------------------|-------|
| Cancer.....                         | 0.0 % |
| Chronic cardiovascular disease..... | 2.9 % |
| Chronic liver disease.....          | 0.0 % |
| Chronic renal disease.....          | 0.0 % |
| Chronic pulmonary disease.....      | 2.9 % |
| Cerebrovascular degeneration.....   | 5.7 % |
| Diabetes mellitus.....              | 0.0 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 70.4%  |
| State .....         | 14.8%  |
| Outside State ..... | 14.8%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |           |
|----------------|-----------|
| Hospital ..... | 12.8 Days |
| State .....    | 6.6 Days  |
| National ..... | 8.6 Days  |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 255                 |
| Occupancy Rate .....       | 60.0 %              |
| Ownership/Control.....     | Private, For Profit |
| Medicare Discharges .....  | 3.3 %               |
| Case Mix Index (CMI) ..... | 0.8395              |

### STAFFING:

|                                                            |       |
|------------------------------------------------------------|-------|
| Total Number of Physicians.....                            | 16    |
| Percent of Physicians Board<br>Certified Specialists ..... | 6.3 % |
| Medical Residents/Interns .....                            | 0     |
| Registered Nurses.....                                     | 18    |
| Licensed Practical Nurses .....                            | 48    |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric.....          | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# GRANITE FALLS MUNICIPAL HOSPITAL

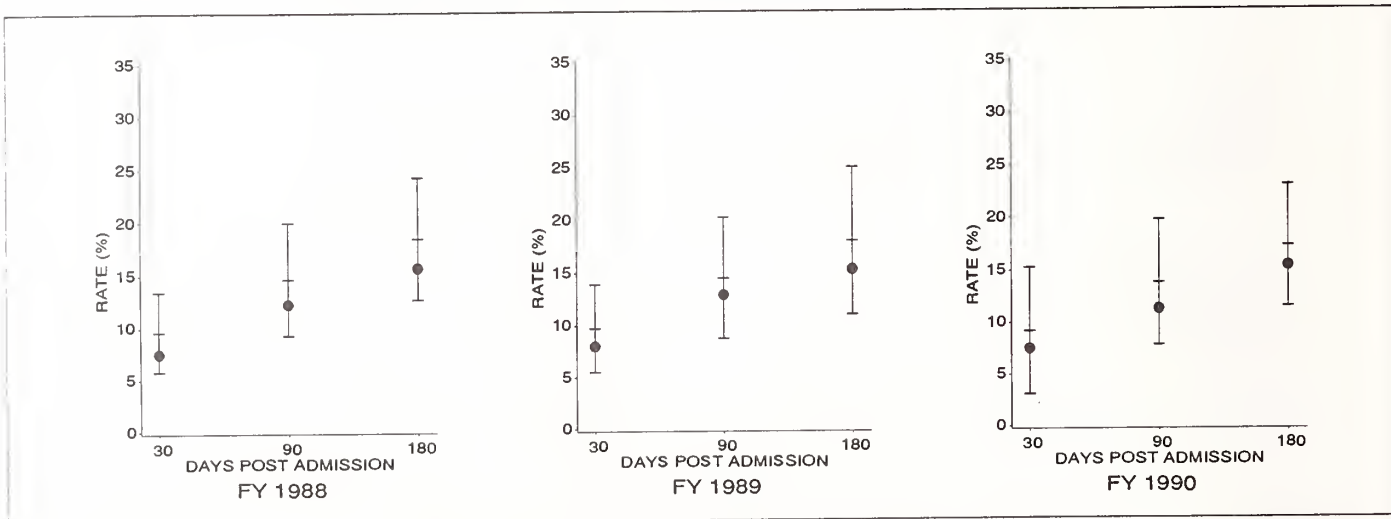
345 10TH AVE  
GRANITE FALLS, MN 56241  
Medicare Provider Number: 240170

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 266             | 7.5                 | 9.2  | 3.0  | 11.3    | 13.8 | 3.0  | 15.4     | 17.3 | 2.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 10              | 20.0                | 21.4 | ---- | 40.0    | 23.6 | ---- | 50.0     | 25.8 | ---- |
| Congestive Heart Failure.....              | 15              | 0.0                 | 15.3 | ---- | 13.3    | 24.1 | ---- | 26.7     | 31.0 | ---- |
| Pneumonia/Influenza.....                   | 23              | 13.0                | 12.5 | ---- | 17.4    | 17.8 | ---- | 21.7     | 21.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 1.9  | ---- | 0.0     | 3.9  | ---- | 0.0      | 5.6  | ---- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.6  | ---- | 0.0     | 3.8  | ---- | 20.0     | 6.3  | ---- |
| Stroke.....                                | 15              | 20.0                | 17.4 | ---- | 20.0    | 23.8 | ---- | 20.0     | 27.8 | ---- |
| Hip Fracture.....                          | 6               | 0.0                 | 6.0  | ---- | 16.7    | 11.7 | ---- | 16.7     | 15.6 | ---- |
| Sepsis.....                                | 7               | 14.3                | 18.7 | ---- | 14.3    | 26.4 | ---- | 14.3     | 31.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 5.8  | ---- | 0.0     | 11.9 | ---- | 0.0      | 16.2 | ---- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 5.0  | ---- | 33.3    | 10.1 | ---- | 33.3     | 13.5 | ---- |
| Prostatectomy.....                         | 7               | 0.0                 | 0.6  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.2  | ---- |
| Cholecystectomy.....                       | 11              | 0.0                 | 1.8  | ---- | 0.0     | 3.5  | ---- | 0.0      | 4.7  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GRANITE FALLS MUNICIPAL HOSPITAL

Medicare Provider Number: 240170

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.9 years |
| Proportion female.....        | 57.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 82.7 % |
| Transferred from skilled nursing facility..... | 7.5 %  |
| Admitted for elective procedure.....           | 16.9 % |
| Admitted for emergency.....                    | 0.0 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.5 %  |
| Chronic cardiovascular disease..... | 35.0 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 1.9 %  |
| Chronic pulmonary disease.....      | 13.5 % |
| Cerebrovascular degeneration.....   | 6.0 %  |
| Diabetes mellitus.....              | 7.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 61.0%  |
| State .....         | 38.5%  |
| Outside State ..... | 0.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.1 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 94               |
| Occupancy Rate .....       | 78.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 58.7 %           |
| Case Mix Index (CMI) ..... | 1.0944           |

### STAFFING:

|                                                           |         |
|-----------------------------------------------------------|---------|
| Total Number of Physicians.....                           | 10      |
| Percent of Physicians Board<br>Certified Specialists..... | 100.0 % |
| Medical Residents/Interns .....                           | 0       |
| Registered Nurses.....                                    | 17      |
| Licensed Practical Nurses.....                            | 14      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# GRANT COUNTY HOSPITAL

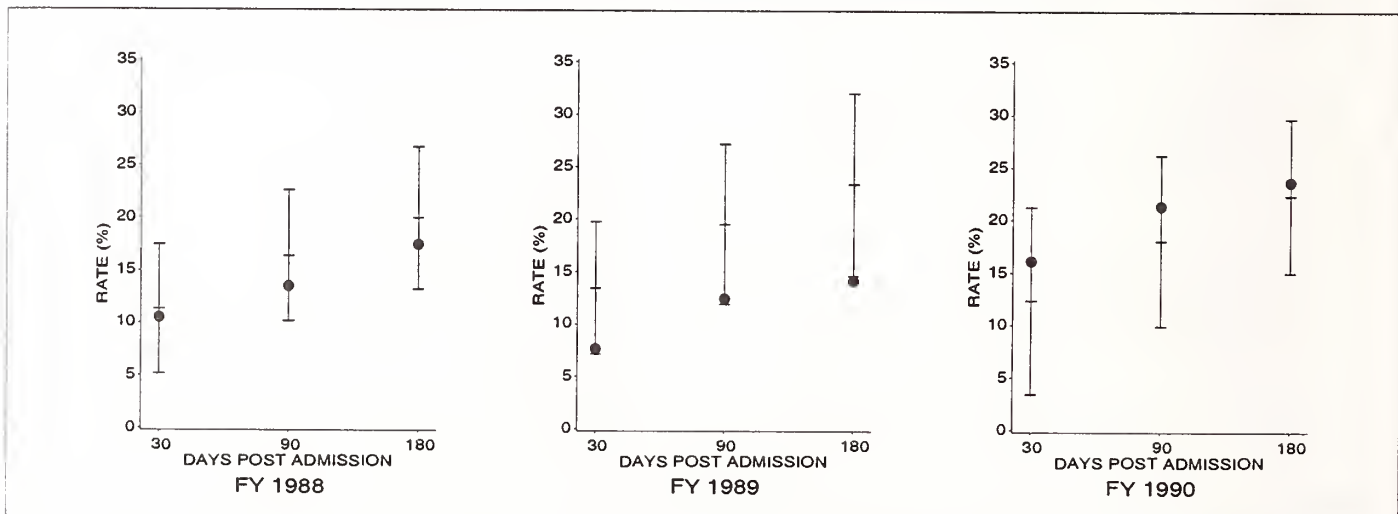
P O BOX 1016  
ELBOW LAKE, MN 56531  
Medicare Provider Number: 240109

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 174             | 16.1                | 12.3 | 4.5   | 21.3    | 18.0 | 4.1   | 23.6     | 22.3 | 3.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 9               | 22.2                | 28.1 | ----- | 33.3    | 30.5 | ----- | 33.3     | 33.7 | ----- |
| Congestive Heart Failure.....              | 17              | 11.8                | 14.6 | ----- | 17.6    | 22.3 | ----- | 23.5     | 28.5 | ----- |
| Pneumonia/Influenza.....                   | 18              | 33.3                | 17.2 | ----- | 44.4    | 23.6 | ----- | 44.4     | 28.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 9.7  | ----- | 0.0     | 18.5 | ----- | 0.0      | 23.7 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 12.5                | 2.6  | ----- | 12.5    | 5.9  | ----- | 12.5     | 9.3  | ----- |
| Stroke.....                                | 7               | 28.6                | 20.6 | ----- | 28.6    | 28.9 | ----- | 42.9     | 33.4 | ----- |
| Hip Fracture.....                          | 4               | 0.0                 | 6.3  | ----- | 0.0     | 10.4 | ----- | 0.0      | 13.2 | ----- |
| Sepsis.....                                | 3               | 33.3                | 27.5 | ----- | 33.3    | 32.9 | ----- | 33.3     | 36.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 4.6  | ----- | 0.0     | 8.6  | ----- | 0.0      | 11.2 | ----- |
| Prostatectomy.....                         | 2               | 0.0                 | 1.3  | ----- | 50.0    | 3.2  | ----- | 50.0     | 5.8  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.9  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.2  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.4  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GRANT COUNTY HOSPITAL

Medicare Provider Number: 240109

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.8 years

Proportion female..... 55.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.6 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.6 %

Admitted for emergency..... 7.5 %

### COMORBIDITIES:

Cancer..... 11.5 %

Chronic cardiovascular disease..... 31.6 %

Chronic liver disease..... 0.6 %

Chronic renal disease..... 0.6 %

Chronic pulmonary disease..... 9.8 %

Cerebrovascular degeneration..... 2.3 %

Diabetes mellitus..... 5.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.9%

State ..... 12.6%

Outside State ..... 1.5%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 32

Ownership/Control..... Local Government

Case Mix Index (CMI) ..... 1.1309

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 7

Licensed Practical Nurses ..... 8

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... Yes

Hospice Care ..... Yes

Intensive Care Unit ..... Yes

Organ Transplant ..... No

Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes

Rehabilitation..... Yes

Psychiatric ..... Yes

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# GREENBUSH COMMUNITY HOSPITAL

152 - 5TH STREET SOUTH  
GREENBUSH, MN 56726  
Medicare Provider Number: 240156

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 54                 | 27.8                | 22.7 | 8.9   | 31.5    | 28.9 | 9.0   | 35.2     | 33.6 | 8.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4                  | 75.0                | 37.8 | ----- | 75.0    | 41.7 | ----- | 75.0     | 45.2 | ----- |
| Congestive Heart Failure.....              | 2                  | 0.0                 | 15.1 | ----- | 50.0    | 23.6 | ----- | 50.0     | 29.4 | ----- |
| Pneumonia/Influenza.....                   | 6                  | 16.7                | 17.7 | ----- | 16.7    | 24.5 | ----- | 16.7     | 29.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 9.5  | ----- | 0.0     | 16.0 | ----- | 0.0      | 21.3 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 4                  | 75.0                | 32.3 | ----- | 75.0    | 39.5 | ----- | 75.0     | 43.6 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# GREENBUSH COMMUNITY HOSPITAL

Medicare Provider Number: 240156

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 80.0 years |
| Proportion female.....        | 42.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 57.4 % |
| Transferred from skilled nursing facility..... | 27.8 % |
| Admitted for elective procedure.....           | 5.6 %  |
| Admitted for emergency.....                    | 25.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.4 %  |
| Chronic cardiovascular disease..... | 59.3 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 14.8 % |
| Chronic pulmonary disease.....      | 24.1 % |
| Cerebrovascular degeneration.....   | 1.9 %  |
| Diabetes mellitus.....              | 9.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 94.5%  |
| State .....         | 4.1%   |
| Outside State ..... | 1.4%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.0 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 87                  |
| Occupancy Rate .....       | 64.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 43.2 %              |
| Case Mix Index (CMI) ..... | 1.1059              |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | 5               |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | 0               |
| Registered Nurses.....                                     | 6               |
| Licensed Practical Nurses.....                             | 0               |

\*\* Except for CMI

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | No  |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\* Not used in calculating mortality rates

# HARMONY COMMUNITY HOSPITAL

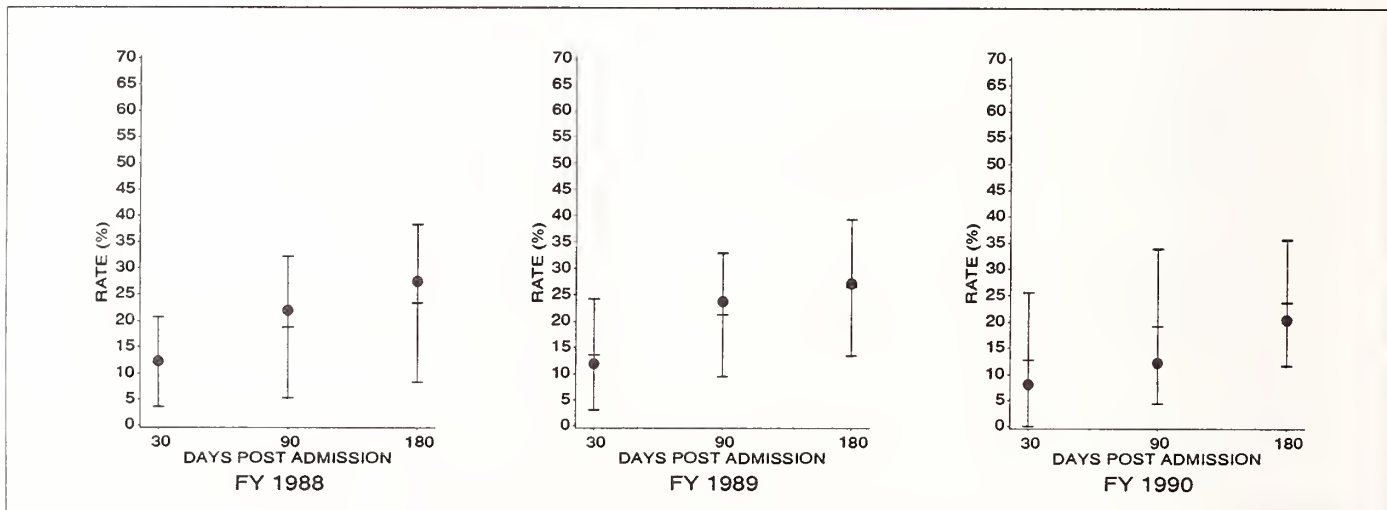
815 SOUTH MAIN STREET  
HARMONY, MN 55939  
Medicare Provider Number: 240150

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 74              | 8.1                 | 12.7 | 6.4  | 12.2    | 19.1 | 7.4  | 20.3     | 23.6 | 6.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 10              | 0.0                 | 19.5 | ---- | 30.0    | 29.1 | ---- | 30.0     | 35.2 | ---- |
| Pneumonia/Influenza.....                   | 16              | 6.3                 | 17.7 | ---- | 6.3     | 24.4 | ---- | 12.5     | 28.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 7.4  | ---- | 0.0     | 14.0 | ---- | 100.0    | 17.9 | ---- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 1.7  | ---- | 0.0     | 4.2  | ---- | 0.0      | 7.0  | ---- |
| Stroke.....                                | 3               | 33.3                | 19.4 | ---- | 33.3    | 27.2 | ---- | 33.3     | 31.6 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0               |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HARMONY COMMUNITY HOSPITAL

Medicare Provider Number: 240150

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 82.4 years |
| Proportion female.....        | 52.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 13.5 % |
| Transferred from skilled nursing facility..... | 9.5 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 9.5 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.8 %  |
| Chronic cardiovascular disease..... | 21.6 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 1.4 %  |
| Chronic pulmonary disease.....      | 13.5 % |
| Cerebrovascular degeneration.....   | 5.4 %  |
| Diabetes mellitus.....              | 4.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 94.7%  |
| State .....         | 2.1%   |
| Outside State ..... | 3.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.8 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 59                  |
| Occupancy Rate .....       | 81.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | (Not Available)     |
| Case Mix Index (CMI) ..... | 0.9647              |

### STAFFING:

|                                                            |         |
|------------------------------------------------------------|---------|
| Total Number of Physicians.....                            | 1       |
| Percent of Physicians Board<br>Certified Specialists ..... | 100.0 % |
| Medical Residents/Interns .....                            | 0       |
| Registered Nurses .....                                    | 6       |
| Licensed Practical Nurses .....                            | 0       |

### SPECIALTY SERVICES:

|                                                 |     |
|-------------------------------------------------|-----|
| Burn Unit .....                                 | No  |
| Cardiac Intensive Care .....                    | No  |
| Comprehensive Geriatric .....                   | Yes |
| Hospice Care .....                              | No  |
| Medical/Surgical Intensive Care .....           | No  |
| Organ/Tissue Transplant .....                   | No  |
| Other Intensive Care .....                      | No  |
| Trauma Center .....                             | No  |
| <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Alcohol/Drug .....                              | No  |
| Rehabilitation.....                             | No  |
| Psychiatric .....                               | No  |
| Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HEALTH CENTRAL OF BUFFALO

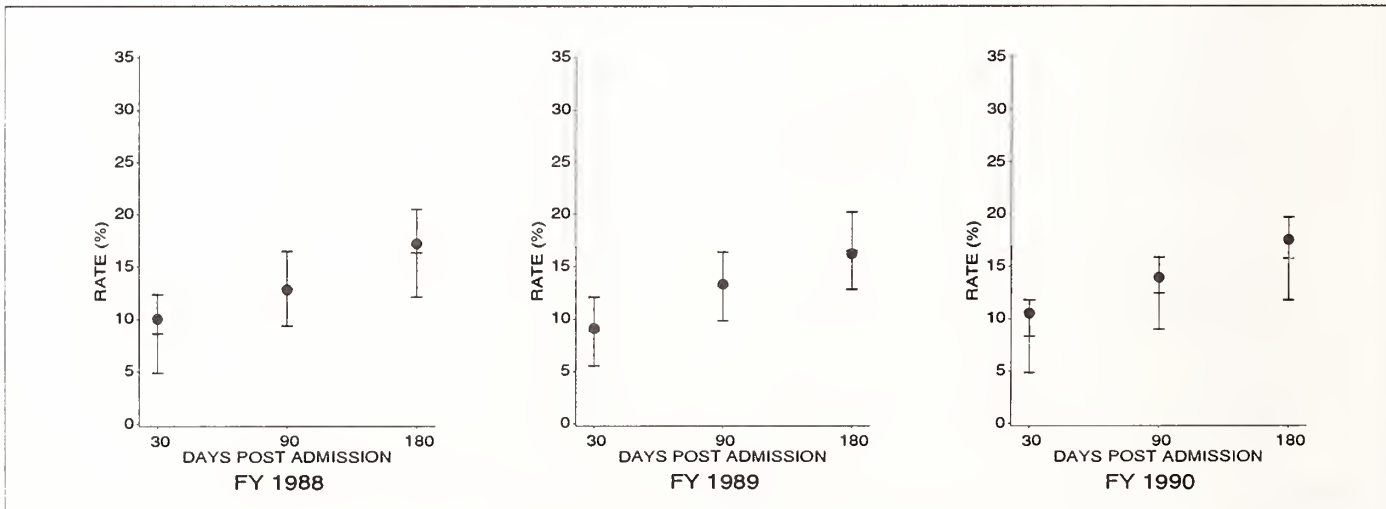
303 CATLIN ST  
BUFFALO, MN 55313  
Medicare Provider Number: 240076

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 468             | 10.5                | 8.3  | 1.7   | 13.9    | 12.4 | 1.7   | 17.5     | 15.7 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 21              | 19.0                | 26.3 | ----- | 28.6    | 29.2 | ----- | 28.6     | 32.0 | ----- |
| Congestive Heart Failure.....              | 22              | 18.2                | 15.4 | ----- | 22.7    | 23.6 | ----- | 40.9     | 30.2 | ----- |
| Pneumonia/Influenza.....                   | 23              | 8.7                 | 13.0 | ----- | 17.4    | 17.8 | ----- | 17.4     | 21.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 50.0                | 14.0 | ----- | 50.0    | 21.3 | ----- | 50.0     | 27.0 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 3.1  | ----- | 0.0     | 7.2  | ----- | 12.5     | 12.0 | ----- |
| Stroke.....                                | 27              | 11.1                | 16.1 | ----- | 11.1    | 21.6 | ----- | 11.1     | 25.2 | ----- |
| Hip Fracture.....                          | 20              | 30.0                | 6.1  | ----- | 30.0    | 10.5 | ----- | 35.0     | 14.1 | ----- |
| Sepsis.....                                | 4               | 50.0                | 22.7 | ----- | 50.0    | 32.3 | ----- | 50.0     | 36.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 4.8  | ----- | 0.0     | 11.8 | ----- | 0.0      | 18.7 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 8               | 37.5                | 9.9  | ----- | 37.5    | 16.3 | ----- | 50.0     | 20.3 | ----- |
| Open Reduction of Hip Fracture.....        | 12              | 8.3                 | 4.7  | ----- | 8.3     | 8.9  | ----- | 8.3      | 12.4 | ----- |
| Prostatectomy.....                         | 28              | 0.0                 | 0.6  | ----- | 3.6     | 1.4  | ----- | 7.1      | 2.5  | ----- |
| Cholecystectomy.....                       | 8               | 0.0                 | 0.7  | ----- | 0.0     | 1.3  | ----- | 0.0      | 1.7  | ----- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HEALTH CENTRAL OF BUFFALO

Medicare Provider Number: 240076

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.6 years |
| Proportion female.....        | 54.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 35.0 % |
| Transferred from skilled nursing facility..... | 3.4 %  |
| Admitted for elective procedure.....           | 15.8 % |
| Admitted for emergency.....                    | 1.9 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.3 %  |
| Chronic cardiovascular disease..... | 38.9 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 3.0 %  |
| Chronic pulmonary disease.....      | 11.5 % |
| Cerebrovascular degeneration.....   | 6.0 %  |
| Diabetes mellitus.....              | 6.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 85.2%  |
| State .....         | 13.3%  |
| Outside State ..... | 1.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.4 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 30                  |
| Occupancy Rate .....       | 60.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 37.9 %              |
| Case Mix Index (CMI) ..... | 1.0498              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 35     |
| Percent of Physicians Board<br>Certified Specialists ..... | 97.1 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 50     |
| Licensed Practical Nurses.....                             | 11     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HEALTH ONE MERCY HOSPITAL

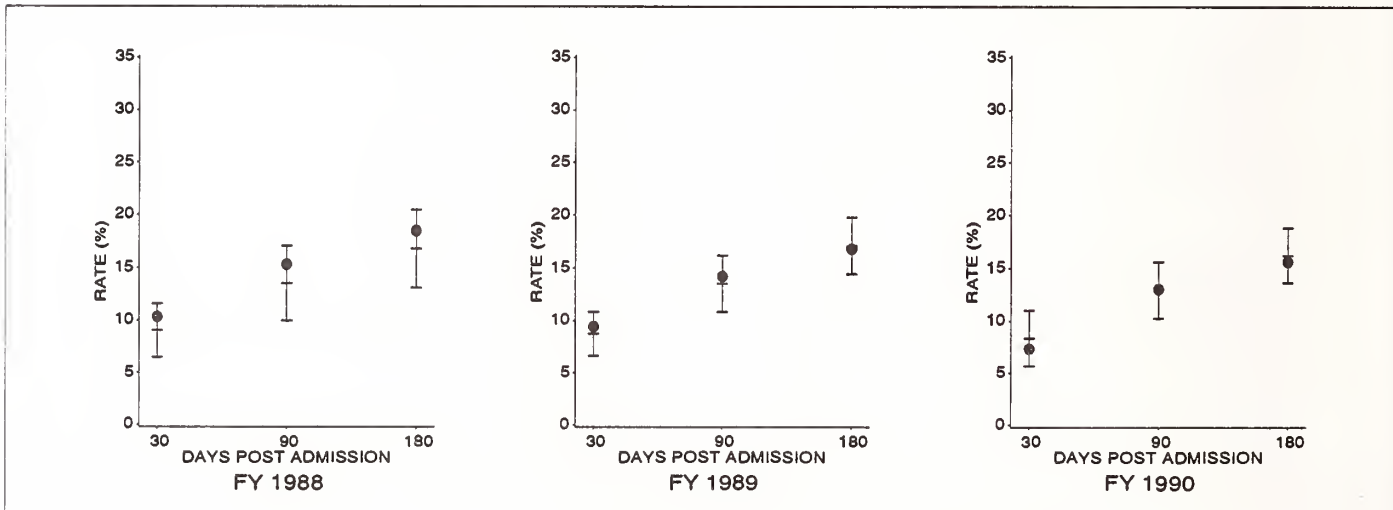
4050 COON RAPIDS BLVD  
COON RAPIDS, MN 55433  
Medicare Provider Number: 240115

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 995                | 7.3                 | 8.3  | 1.3   | 13.0    | 12.9 | 1.3   | 15.6     | 16.2 | 1.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 38                 | 21.1                | 21.9 | ----- | 28.9    | 25.2 | ----- | 34.2     | 28.2 | ----- |
| Congestive Heart Failure.....              | 48                 | 8.3                 | 15.2 | ----- | 20.8    | 24.4 | ----- | 25.0     | 31.0 | ----- |
| Pneumonia/Influenza.....                   | 45                 | 15.6                | 14.1 | ----- | 33.3    | 19.3 | ----- | 33.3     | 22.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 0.0                 | 8.1  | ----- | 15.4    | 14.7 | ----- | 15.4     | 19.8 | ----- |
| Transient Cerebral Ischemia.....           | 18                 | 0.0                 | 1.7  | ----- | 11.1    | 3.9  | ----- | 16.7     | 6.3  | ----- |
| Stroke.....                                | 33                 | 9.1                 | 18.8 | ----- | 15.2    | 25.7 | ----- | 21.2     | 29.7 | ----- |
| Hip Fracture.....                          | 20                 | 5.0                 | 5.3  | ----- | 10.0    | 9.4  | ----- | 10.0     | 12.7 | ----- |
| Sepsis.....                                | 11                 | 18.2                | 24.2 | ----- | 27.3    | 32.6 | ----- | 27.3     | 37.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 19                 | 0.0                 | 3.2  | ----- | 5.3     | 4.3  | ----- | 5.3      | 5.2  | ----- |
| Coronary Artery Bypass Graft.....          | 27                 | 3.7                 | 5.4  | ----- | 7.4     | 7.6  | ----- | 7.4      | 8.6  | ----- |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 2.1  | ----- | 0.0     | 4.6  | ----- | 0.0      | 6.7  | ----- |
| Carotid Endarterectomy.....                | 8                  | 0.0                 | 1.1  | ----- | 0.0     | 1.9  | ----- | 0.0      | 2.8  | ----- |
| Hip Replacement/Reconstruction.....        | 14                 | 0.0                 | 2.3  | ----- | 0.0     | 4.3  | ----- | 7.1      | 6.1  | ----- |
| Open Reduction of Hip Fracture.....        | 9                  | 0.0                 | 4.4  | ----- | 11.1    | 8.4  | ----- | 11.1     | 12.0 | ----- |
| Prostatectomy.....                         | 31                 | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.7  | ----- |
| Cholecystectomy.....                       | 20                 | 0.0                 | 2.6  | ----- | 5.0     | 5.2  | ----- | 5.0      | 7.0  | ----- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HEALTH ONE MERCY HOSPITAL

Medicare Provider Number: 240115

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.4 years  
Proportion female..... 55.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 60.8 %  
Transferred from skilled nursing facility..... 7.5 %  
Admitted for elective procedure..... 9.5 %  
Admitted for emergency..... 14.4 %

### COMORBIDITIES:

Cancer..... 8.4 %  
Chronic cardiovascular disease..... 39.5 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 3.8 %  
Chronic pulmonary disease..... 15.0 %  
Cerebrovascular degeneration..... 5.0 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 47.9%  
State ..... 47.8%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 271  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.4183

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 285  
Licensed Practical Nurses ..... 36

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... Yes  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HEALTH ONE OWATONNA HOSPITAL

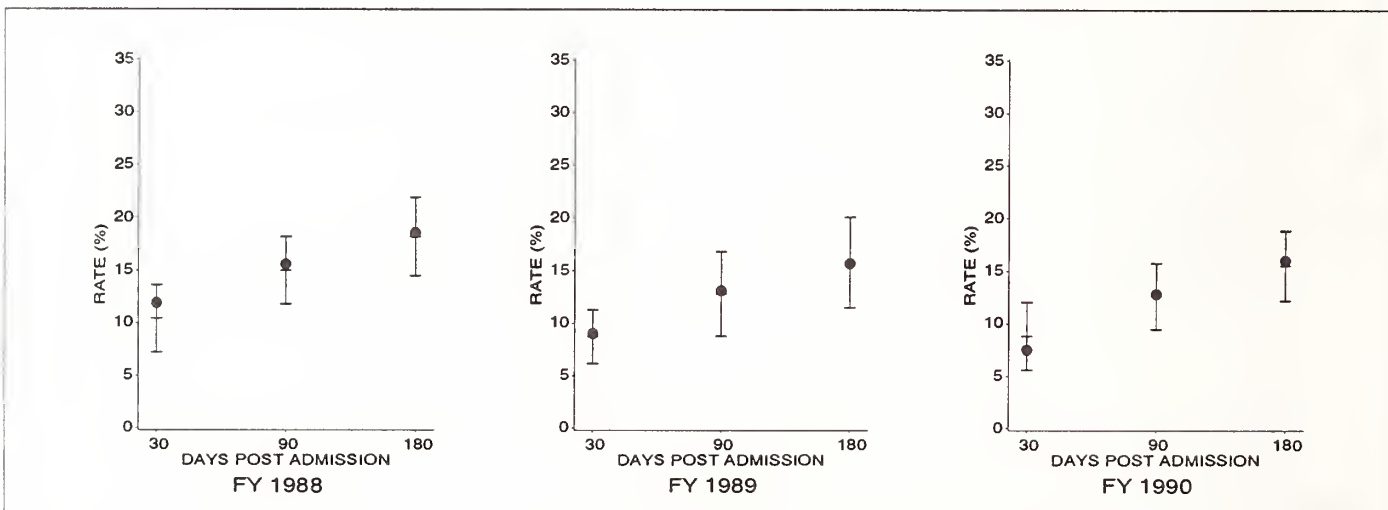
903 SOUTH OAK STREET  
OWATONNA, MN 55060  
Medicare Provider Number: 240069

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 570             | 7.5                 | 8.8  | 1.6   | 12.8    | 12.6 | 1.6   | 16.0     | 15.5 | 1.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 32              | 12.5                | 30.3 | ----- | 15.6    | 33.2 | ----- | 15.6     | 36.2 | ----- |
| Congestive Heart Failure.....              | 24              | 20.8                | 18.6 | ----- | 33.3    | 28.4 | ----- | 45.8     | 35.1 | ----- |
| Pneumonia/Influenza.....                   | 44              | 20.5                | 17.3 | ----- | 29.5    | 23.2 | ----- | 31.8     | 27.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 12              | 16.7                | 4.4  | ----- | 25.0    | 8.3  | ----- | 33.3     | 11.9 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 0.8  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.7  | ----- |
| Stroke.....                                | 9               | 11.1                | 22.7 | ----- | 11.1    | 30.8 | ----- | 22.2     | 35.6 | ----- |
| Hip Fracture.....                          | 18              | 5.6                 | 7.6  | ----- | 11.1    | 13.6 | ----- | 16.7     | 17.2 | ----- |
| Sepsis.....                                | 2               | 0.0                 | 27.2 | ----- | 0.0     | 32.1 | ----- | 0.0      | 35.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 8               | 0.0                 | 7.3  | ----- | 0.0     | 12.4 | ----- | 12.5     | 16.1 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 18              | 0.0                 | 2.6  | ----- | 11.1    | 5.0  | ----- | 11.1     | 6.6  | ----- |
| Open Reduction of Hip Fracture.....        | 4               | 25.0                | 4.3  | ----- | 25.0    | 7.7  | ----- | 25.0     | 10.2 | ----- |
| Prostatectomy.....                         | 37              | 0.0                 | 0.8  | ----- | 2.7     | 1.8  | ----- | 5.4      | 3.2  | ----- |
| Cholecystectomy.....                       | 10              | 0.0                 | 7.2  | ----- | 10.0    | 13.0 | ----- | 10.0     | 15.9 | ----- |
| Hysterectomy.....                          | 10              | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HEALTH ONE OWATONNA HOSPITAL

Medicare Provider Number: 240069

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.4 years |
| Proportion female.....        | 57.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 45.4 % |
| Transferred from skilled nursing facility..... | 1.9 %  |
| Admitted for elective procedure.....           | 25.4 % |
| Admitted for emergency.....                    | 52.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.0 %  |
| Chronic cardiovascular disease..... | 33.9 % |
| Chronic liver disease.....          | 1.2 %  |
| Chronic renal disease.....          | 1.8 %  |
| Chronic pulmonary disease.....      | 14.4 % |
| Cerebrovascular degeneration.....   | 2.5 %  |
| Diabetes mellitus.....              | 7.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 81.7%  |
| State .....         | 17.2%  |
| Outside State ..... | 1.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.0 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 55                  |
| Occupancy Rate .....       | 45.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 35.9 %              |
| Case Mix Index (CMI) ..... | 1.2498              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 27     |
| Percent of Physicians Board<br>Certified Specialists ..... | 63.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 52     |
| Licensed Practical Nurses .....                            | 11     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HEALTH ONE UNITY HOSPITAL

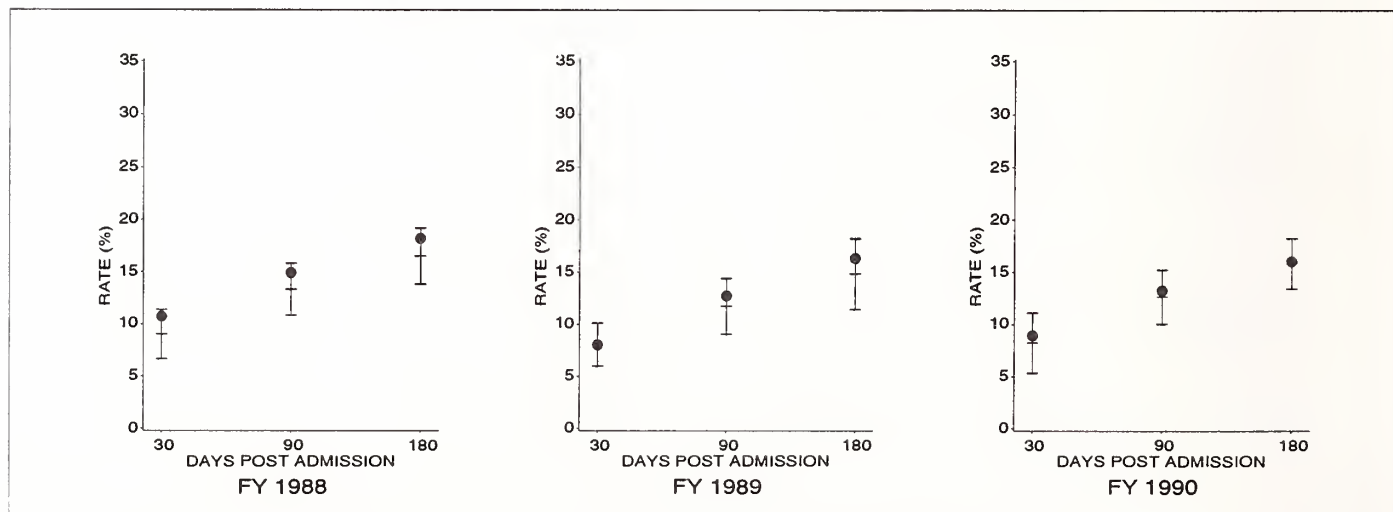
550 OSBORNE ROAD  
FRIDLEY, MN 55432  
Medicare Provider Number: 240132

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 989             | 8.9                 | 8.2  | 1.4   | 13.2    | 12.6 | 1.3   | 16.0     | 15.8 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 24              | 16.7                | 21.9 | ----- | 16.7    | 24.2 | ----- | 16.7     | 26.9 | ----- |
| Congestive Heart Failure.....              | 45              | 17.8                | 13.4 | ----- | 24.4    | 21.5 | ----- | 31.1     | 27.5 | ----- |
| Pneumonia/Influenza.....                   | 56              | 17.9                | 15.7 | 5.7   | 25.0    | 22.1 | 6.6   | 28.6     | 26.4 | 6.5   |
| Chronic Obstructive Pulmonary Disease..... | 17              | 35.3                | 8.7  | ----- | 35.3    | 15.5 | ----- | 41.2     | 20.4 | ----- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 1.7  | ----- | 8.3     | 4.2  | ----- | 8.3      | 7.0  | ----- |
| Stroke.....                                | 33              | 24.2                | 24.6 | ----- | 36.4    | 30.6 | ----- | 42.4     | 34.1 | ----- |
| Hip Fracture.....                          | 21              | 4.8                 | 4.9  | ----- | 9.5     | 9.0  | ----- | 9.5      | 12.0 | ----- |
| Sepsis.....                                | 8               | 12.5                | 19.8 | ----- | 25.0    | 30.3 | ----- | 62.5     | 35.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6               | 16.7                | 7.2  | ----- | 16.7    | 10.6 | ----- | 16.7     | 13.2 | ----- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.7  | ----- |
| Hip Replacement/Reconstruction.....        | 24              | 4.2                 | 2.3  | ----- | 4.2     | 4.3  | ----- | 4.2      | 5.7  | ----- |
| Open Reduction of Hip Fracture.....        | 9               | 11.1                | 5.0  | ----- | 22.2    | 9.7  | ----- | 22.2     | 13.3 | ----- |
| Prostatectomy.....                         | 42              | 2.4                 | 0.8  | ----- | 2.4     | 1.8  | ----- | 4.8      | 3.1  | ----- |
| Cholecystectomy.....                       | 15              | 0.0                 | 1.9  | ----- | 0.0     | 3.3  | ----- | 0.0      | 4.4  | ----- |
| Hysterectomy.....                          | 12              | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HEALTH ONE UNITY HOSPITAL

Medicare Provider Number: 240132

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years

Proportion female..... 60.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 62.3 %

Transferred from skilled nursing facility..... 0.7 %

Admitted for elective procedure..... 38.9 %

Admitted for emergency..... 50.0 %

### COMORBIDITIES:

Cancer..... 6.4 %

Chronic cardiovascular disease..... 27.2 %

Chronic liver disease..... 0.7 %

Chronic renal disease..... 4.4 %

Chronic pulmonary disease..... 13.2 %

Cerebrovascular degeneration..... 5.6 %

Diabetes mellitus..... 6.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 30.4%

State ..... 64.8%

Outside State ..... 4.8%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.9 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 275

Ownership/Control..... Private, Non-Profit

Case Mix Index (CMI) ..... 1.2239

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 236

Licensed Practical Nurses ..... 50

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... No

Hospice Care ..... No

Intensive Care Unit ..... Yes

Organ Transplant ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... Yes

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HENDRICKS COMMUNITY HOSPITAL ASSOCIATION

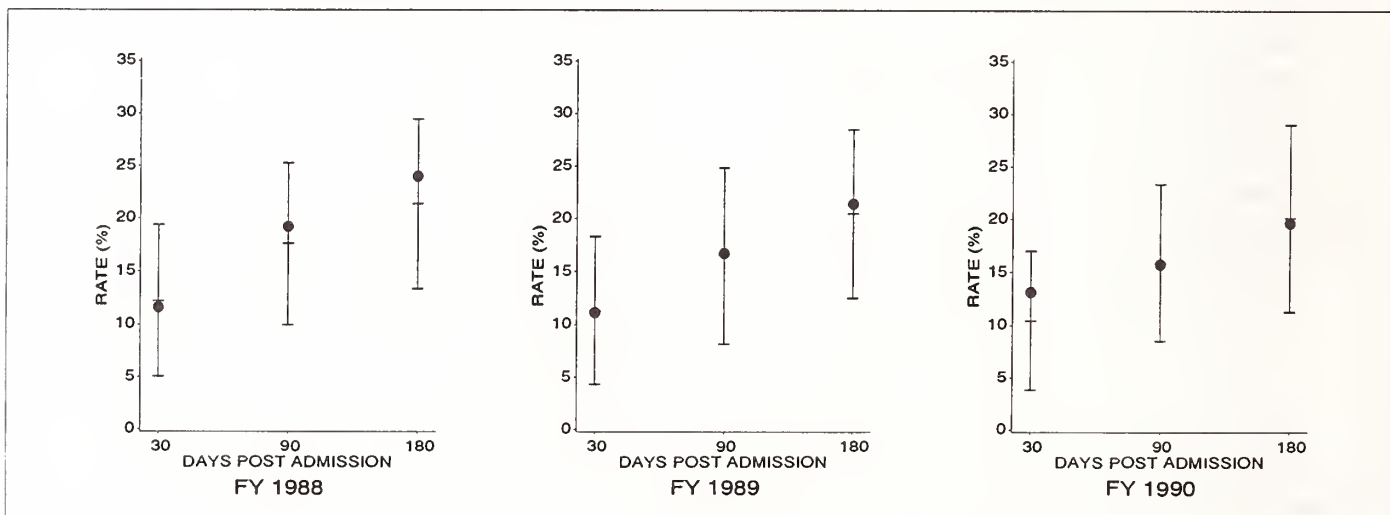
503 E LINCOLN ST  
HENDRICKS, MN 56136  
Medicare Provider Number: 240099

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 153             | 13.1                | 10.4 | 3.3   | 15.7    | 15.9 | 3.7   | 19.6     | 20.1 | 4.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2               | 0.0                 | 29.6 | ----- | 0.0     | 32.6 | ----- | 50.0     | 36.4 | ----- |
| Congestive Heart Failure.....              | 7               | 0.0                 | 17.0 | ----- | 0.0     | 27.4 | ----- | 14.3     | 33.9 | ----- |
| Pneumonia/Influenza.....                   | 28              | 25.0                | 14.2 | ----- | 28.6    | 20.2 | ----- | 28.6     | 24.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 4.2  | ----- | 0.0     | 9.0  | ----- | 0.0      | 12.6 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 2.2  | ----- | 0.0     | 5.8  | ----- | 100.0    | 10.6 | ----- |
| Stroke.....                                | 21              | 33.3                | 21.6 | ----- | 33.3    | 30.4 | ----- | 42.9     | 35.7 | ----- |
| Hip Fracture.....                          | 10              | 10.0                | 5.4  | ----- | 10.0    | 10.3 | ----- | 10.0     | 14.1 | ----- |
| Sepsis.....                                | 2               | 0.0                 | 20.2 | ----- | 0.0     | 24.8 | ----- | 0.0      | 30.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 5.8  | ----- | 0.0     | 11.2 | ----- | 0.0      | 15.5 | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 1.9  | ----- | 0.0     | 3.3  | ----- | 0.0      | 4.5  | ----- |
| Prostatectomy.....                         | 6               | 0.0                 | 0.4  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.4  | ----- |
| Cholecystectomy.....                       | 9               | 0.0                 | 2.4  | ----- | 0.0     | 4.6  | ----- | 0.0      | 6.2  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 1.3  | ----- | 0.0     | 2.0  | ----- | 0.0      | 2.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HENDRICKS COMMUNITY HOSPITAL ASSOCIATION

Medicare Provider Number: 240099

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.9 years  
Proportion female..... 44.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 62.1 %  
Transferred from skilled nursing facility..... 15.0 %  
Admitted for elective procedure..... 82.4 %  
Admitted for emergency..... 3.9 %

### COMORBIDITIES:

Cancer..... 7.2 %  
Chronic cardiovascular disease..... 37.3 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.3 %  
Chronic pulmonary disease..... 14.4 %  
Cerebrovascular degeneration..... 6.5 %  
Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 61.7%  
State..... 3.0%  
Outside State..... 35.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.4 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 95  
Occupancy Rate..... 81.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... (Not Available)  
Case Mix Index (CMI)..... 1.0859

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HENNEPIN COUNTY MEDICAL CENTER

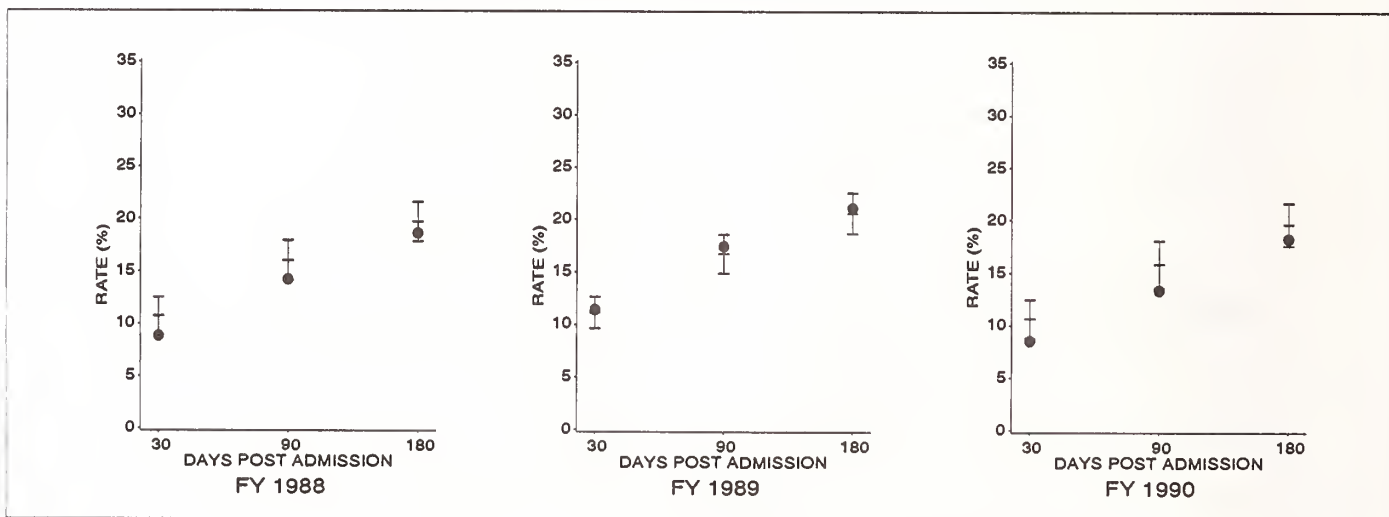
701 PARK AVENUE SOUTH  
MINNEAPOLIS, MN 55415  
Medicare Provider Number: 240004

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2017               | 8.5                 | 10.6 | 0.9   | 13.3    | 15.8 | 1.1   | 18.2     | 19.6 | 1.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 48                 | 27.1                | 27.4 | ----- | 31.3    | 31.0 | ----- | 35.4     | 33.6 | ----- |
| Congestive Heart Failure.....              | 97                 | 7.2                 | 13.6 | 5.2   | 13.4    | 21.7 | 6.1   | 21.6     | 27.8 | 6.3   |
| Pneumonia/Influenza.....                   | 128                | 12.5                | 17.1 | 3.7   | 18.8    | 23.3 | 4.0   | 30.5     | 27.5 | 5.1   |
| Chronic Obstructive Pulmonary Disease..... | 40                 | 10.0                | 8.7  | ----- | 15.0    | 14.8 | ----- | 20.0     | 19.7 | ----- |
| Transient Cerebral Ischemia.....           | 15                 | 0.0                 | 1.6  | ----- | 0.0     | 3.4  | ----- | 6.7      | 5.5  | ----- |
| Stroke.....                                | 53                 | 15.1                | 19.7 | 7.1   | 30.2    | 26.1 | 6.9   | 32.1     | 29.6 | 6.7   |
| Hip Fracture.....                          | 36                 | 0.0                 | 6.4  | ----- | 11.1    | 11.9 | ----- | 13.9     | 15.6 | ----- |
| Sepsis.....                                | 22                 | 27.3                | 23.8 | ----- | 27.3    | 30.4 | ----- | 36.4     | 34.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 7                  | 0.0                 | 6.3  | ----- | 0.0     | 7.4  | ----- | 0.0      | 8.4  | ----- |
| Coronary Artery Bypass Graft.....          | 12                 | 16.7                | 12.2 | ----- | 16.7    | 17.7 | ----- | 16.7     | 19.9 | ----- |
| Initial Pacemaker Insertion.....           | 3                  | 0.0                 | 2.1  | ----- | 0.0     | 4.7  | ----- | 0.0      | 7.4  | ----- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 1.6  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.1  | ----- |
| Hip Replacement/Reconstruction.....        | 21                 | 0.0                 | 4.7  | ----- | 0.0     | 9.1  | ----- | 0.0      | 12.1 | ----- |
| Open Reduction of Hip Fracture.....        | 4                  | 0.0                 | 6.0  | ----- | 25.0    | 12.0 | ----- | 25.0     | 16.2 | ----- |
| Prostatectomy.....                         | 12                 | 8.3                 | 1.6  | ----- | 8.3     | 4.0  | ----- | 8.3      | 6.7  | ----- |
| Cholecystectomy.....                       | 22                 | 0.0                 | 3.4  | ----- | 9.1     | 5.7  | ----- | 9.1      | 7.2  | ----- |
| Hysterectomy.....                          | 13                 | 0.0                 | 0.4  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HENNEPIN COUNTY MEDICAL CENTER

Medicare Provider Number: 240004

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 67.1 years  
Proportion female..... 45.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 1.7 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 10.5 %  
Admitted for emergency..... 65.5 %

### COMORBIDITIES:

Cancer..... 6.1 %  
Chronic cardiovascular disease..... 31.2 %  
Chronic liver disease..... 2.0 %  
Chronic renal disease..... 14.4 %  
Chronic pulmonary disease..... 18.3 %  
Cerebrovascular degeneration..... 12.6 %  
Diabetes mellitus..... 9.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 75.9%  
State ..... 17.7%  
Outside State ..... 6.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 400  
Occupancy Rate ..... 74.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 24.3 %  
Case Mix Index (CMI) ..... 1.4148

### STAFFING:

Total Number of Physicians..... 231  
Percent of Physicians Board  
Certified Specialists..... 79.7 %  
Medical Residents/Interns ..... 197  
Registered Nurses..... 660  
Licensed Practical Nurses ..... 10

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HERON LAKE MUNICIPAL HOSPITAL

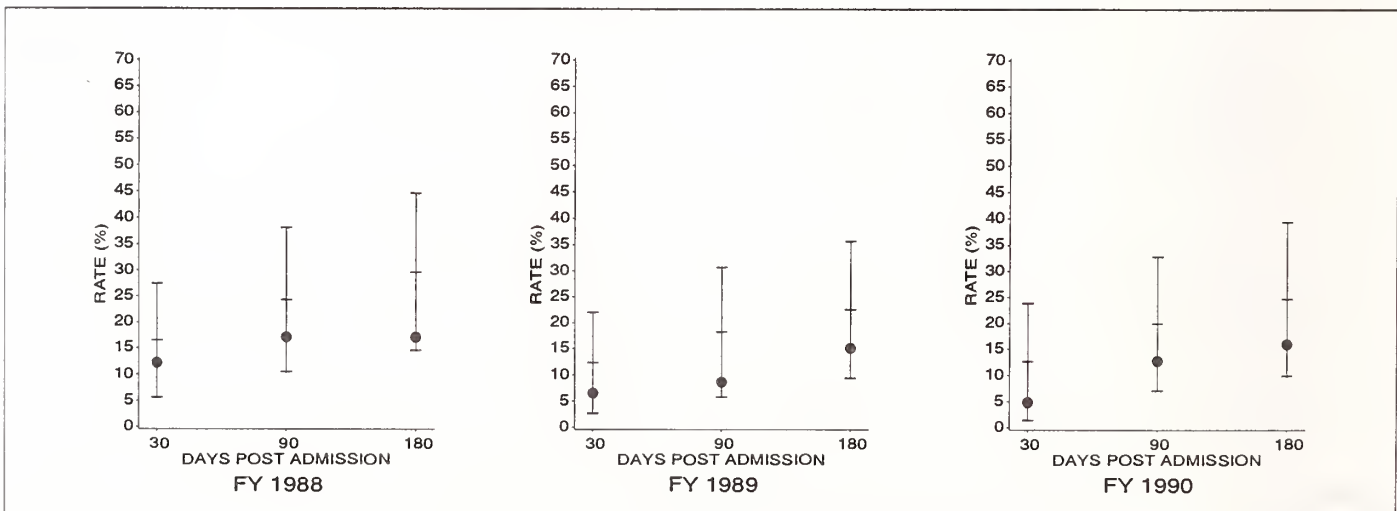
941 COUNTY ROAD 9  
HERON LAKE, MN 56137  
Medicare Provider Number: 240201

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 63              | 4.8                 | 12.6 | 5.6   | 12.7    | 19.9 | 6.4   | 15.9     | 24.6 | 7.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1               | 100.0               | 55.2 | ----- | 100.0   | 77.9 | ----- | 100.0    | 84.5 | ----- |
| Congestive Heart Failure.....              | 4               | 0.0                 | 22.0 | ----- | 25.0    | 34.3 | ----- | 50.0     | 43.8 | ----- |
| Pneumonia/Influenza.....                   | 5               | 0.0                 | 13.2 | ----- | 0.0     | 18.0 | ----- | 0.0      | 21.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 16.4 | ----- | 0.0     | 35.6 | ----- | 0.0      | 50.0 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 3               | 0.0                 | 28.0 | ----- | 0.0     | 44.0 | ----- | 0.0      | 51.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 1               | 0.0                 | 2.2  | ----- | 0.0     | 4.3  | ----- | 0.0      | 7.1  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 15.8 | ----- | 0.0     | 37.9 | ----- | 100.0    | 57.6 | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HERON LAKE MUNICIPAL HOSPITAL

Medicare Provider Number: 240201

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 81.2 years  
Proportion female..... 68.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 95.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 27.0 %

### COMORBIDITIES:

Cancer..... 9.5 %  
Chronic cardiovascular disease..... 39.7 %  
Chronic liver disease..... 4.8 %  
Chronic renal disease..... 9.5 %  
Chronic pulmonary disease..... 9.5 %  
Cerebrovascular degeneration..... 7.9 %  
Diabetes mellitus..... 11.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 71.8%  
State ..... 26.5%  
Outside State ..... 1.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 16  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 0.9893

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses..... 1

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HOLY TRINITY HOSPITAL

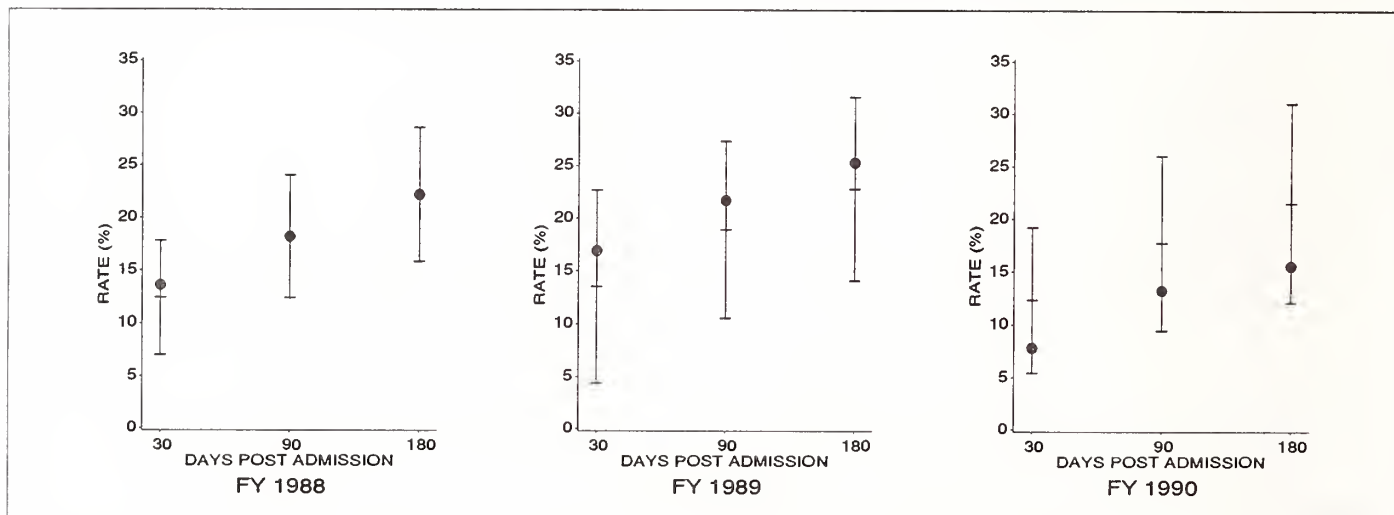
115 WEST SECOND STREET  
GRACEVILLE, MN 56240  
Medicare Provider Number: 240065

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 129             | 7.8                 | 12.3 | 3.4   | 13.2    | 17.7 | 4.1   | 15.5     | 21.5 | 4.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8               | 50.0                | 35.1 | ----- | 50.0    | 41.5 | ----- | 50.0     | 45.6 | ----- |
| Congestive Heart Failure.....              | 10              | 0.0                 | 13.9 | ----- | 10.0    | 21.4 | ----- | 20.0     | 27.6 | ----- |
| Pneumonia/Influenza.....                   | 14              | 14.3                | 22.1 | ----- | 14.3    | 29.1 | ----- | 14.3     | 33.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 11.5 | ----- | 0.0     | 23.6 | ----- | 0.0      | 35.3 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 3.3  | ----- | 0.0     | 7.0  | ----- | 0.0      | 10.8 | ----- |
| Stroke.....                                | 4               | 0.0                 | 20.4 | ----- | 0.0     | 28.7 | ----- | 0.0      | 32.9 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 19.3 | ----- | 0.0     | 22.6 | ----- | 0.0      | 26.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 1               | 0.0                 | 0.8  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.1  | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 1.1  | ----- | 0.0     | 1.9  | ----- | 0.0      | 2.9  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HOLY TRINITY HOSPITAL

Medicare Provider Number: 240065

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 80.2 years  
Proportion female..... 67.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 13.2 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 10.1 %  
Chronic cardiovascular disease..... 41.1 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.8 %  
Chronic pulmonary disease..... 15.5 %  
Cerebrovascular degeneration..... 0.8 %  
Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 60.7%  
State..... 33.5%  
Outside State..... 5.8%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.9 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 32  
Occupancy Rate..... 18.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 39.9 %  
Case Mix Index (CMI)..... 1.0304

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 4  
Licensed Practical Nurses..... 6

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HUTCHINSON COMMUNITY HOSPITAL

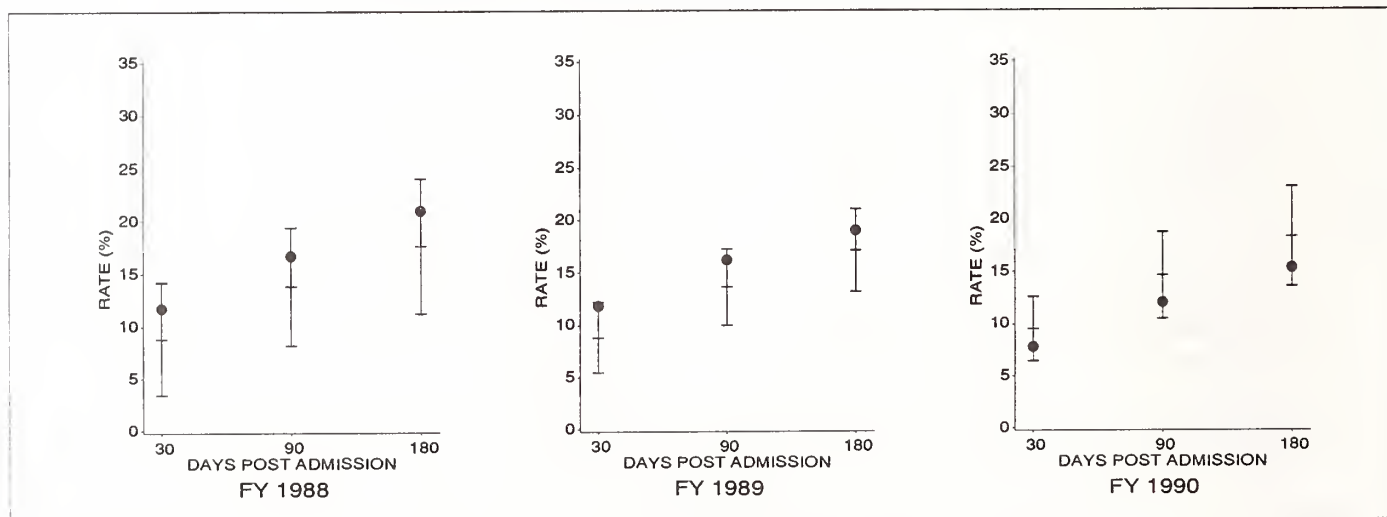
CENTURY AVENUE  
HUTCHINSON, MN 55350  
Medicare Provider Number: 240187

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 627             | 7.8                 | 9.5  | 1.5  | 12.0    | 14.6 | 2.1  | 15.3     | 18.3 | 2.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 29              | 34.5                | 26.0 | ---- | 37.9    | 30.9 | ---- | 41.4     | 34.9 | ---- |
| Congestive Heart Failure.....              | 31              | 6.5                 | 15.7 | ---- | 12.9    | 24.7 | ---- | 22.6     | 31.1 | ---- |
| Pneumonia/Influenza.....                   | 36              | 11.1                | 16.3 | ---- | 16.7    | 22.7 | ---- | 25.0     | 27.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 13              | 15.4                | 9.7  | ---- | 23.1    | 16.3 | ---- | 23.1     | 21.8 | ---- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 3.7  | ---- | 0.0     | 8.5  | ---- | 0.0      | 13.9 | ---- |
| Stroke.....                                | 22              | 22.7                | 19.0 | ---- | 22.7    | 24.9 | ---- | 22.7     | 29.0 | ---- |
| Hip Fracture.....                          | 17              | 0.0                 | 6.4  | ---- | 0.0     | 12.0 | ---- | 0.0      | 16.4 | ---- |
| Sepsis.....                                | 7               | 14.3                | 28.0 | ---- | 28.6    | 37.4 | ---- | 42.9     | 42.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 5               | 0.0                 | 3.2  | ---- | 0.0     | 6.6  | ---- | 0.0      | 9.4  | ---- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 1.2  | ---- | 0.0     | 1.9  | ---- | 0.0      | 2.6  | ---- |
| Hip Replacement/Reconstruction.....        | 14              | 0.0                 | 2.1  | ---- | 0.0     | 4.1  | ---- | 0.0      | 5.8  | ---- |
| Open Reduction of Hip Fracture.....        | 10              | 0.0                 | 7.1  | ---- | 0.0     | 13.8 | ---- | 0.0      | 19.5 | ---- |
| Prostatectomy.....                         | 31              | 0.0                 | 1.4  | ---- | 0.0     | 3.2  | ---- | 3.2      | 5.5  | ---- |
| Cholecystectomy.....                       | 7               | 0.0                 | 2.3  | ---- | 0.0     | 4.7  | ---- | 0.0      | 7.2  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HUTCHINSON COMMUNITY HOSPITAL

Medicare Provider Number: 240187

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.3 years |
| Proportion female.....        | 56.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 84.5 % |
| Transferred from skilled nursing facility..... | 8.0 %  |
| Admitted for elective procedure.....           | 12.9 % |
| Admitted for emergency.....                    | 14.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 10.4 % |
| Chronic cardiovascular disease..... | 38.0 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 1.3 %  |
| Chronic pulmonary disease.....      | 12.1 % |
| Cerebrovascular degeneration.....   | 6.7 %  |
| Diabetes mellitus.....              | 6.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 66.2%  |
| State .....         | 32.7%  |
| Outside State ..... | 1.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.6 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 67               |
| Occupancy Rate .....       | 40.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 39.3 %           |
| Case Mix Index (CMI) ..... | 1.1355           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 16     |
| Percent of Physicians Board<br>Certified Specialists ..... | 81.3 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 45     |
| Licensed Practical Nurses .....                            | 22     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# IMMANUEL-ST JOSEPHS HOSPITAL

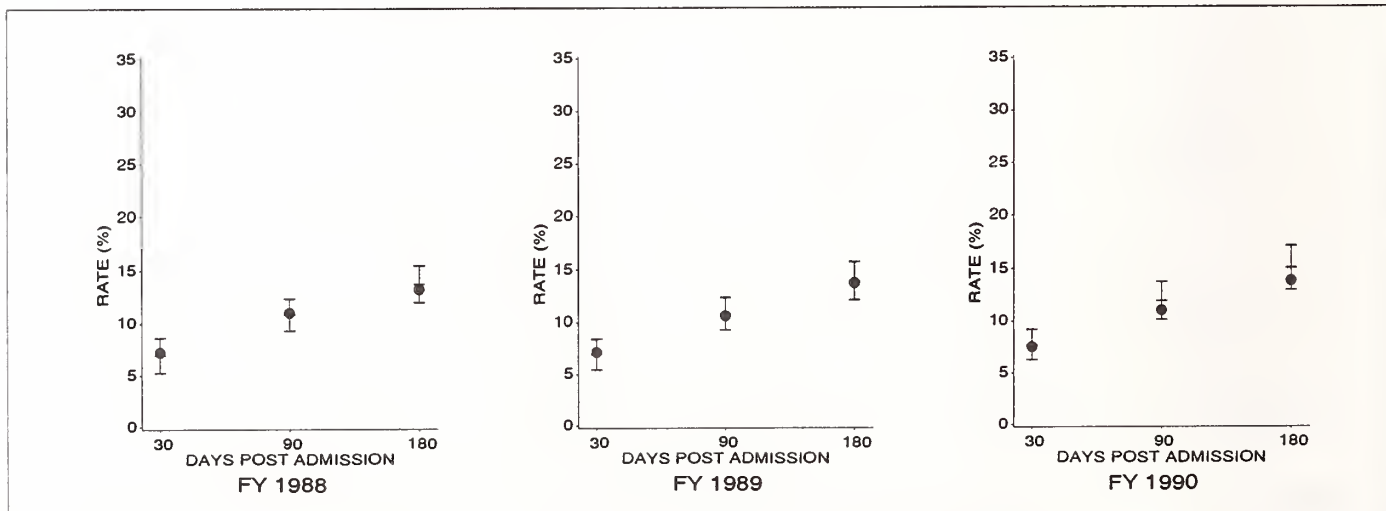
325 GARDEN BLVD  
MANKATO, MN 56002  
Medicare Provider Number: 240093

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1579            | 7.5                 | 7.7  | 0.7   | 11.0    | 11.9 | 0.9   | 13.8     | 15.0 | 1.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 56              | 32.1                | 28.4 | 7.8   | 37.5    | 32.0 | 8.1   | 39.3     | 34.9 | 8.1   |
| Congestive Heart Failure.....              | 57              | 12.3                | 14.5 | 5.4   | 15.8    | 23.5 | 8.8   | 28.1     | 30.1 | 8.0   |
| Pneumonia/Influenza.....                   | 76              | 11.8                | 14.1 | 4.7   | 13.2    | 19.5 | 7.3   | 22.4     | 23.2 | 6.4   |
| Chronic Obstructive Pulmonary Disease..... | 7               | 14.3                | 5.9  | ----- | 14.3    | 10.4 | ----- | 14.3     | 14.2 | ----- |
| Transient Cerebral Ischemia.....           | 28              | 3.6                 | 2.1  | ----- | 7.1     | 4.7  | ----- | 7.1      | 7.6  | ----- |
| Stroke.....                                | 65              | 13.8                | 16.3 | 5.3   | 20.0    | 22.6 | 6.1   | 21.5     | 26.6 | 7.2   |
| Hip Fracture.....                          | 112             | 4.5                 | 6.4  | 3.0   | 10.7    | 11.3 | 3.4   | 13.4     | 14.9 | 3.6   |
| Sepsis.....                                | 12              | 16.7                | 19.5 | ----- | 25.0    | 26.7 | ----- | 25.0     | 30.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 11              | 0.0                 | 5.1  | ----- | 0.0     | 8.8  | ----- | 0.0      | 12.0 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 96              | 1.0                 | 3.1  | 2.5   | 6.3     | 5.6  | 2.4   | 8.3      | 7.5  | 2.9   |
| Open Reduction of Hip Fracture.....        | 58              | 5.2                 | 5.8  | 3.9   | 8.6     | 10.7 | 4.8   | 12.1     | 14.4 | 5.1   |
| Prostatectomy.....                         | 120             | 0.8                 | 0.9  | 0.9   | 0.8     | 2.1  | 1.7   | 1.7      | 3.6  | 2.3   |
| Cholecystectomy.....                       | 21              | 0.0                 | 2.0  | ----- | 0.0     | 3.4  | ----- | 0.0      | 4.3  | ----- |
| Hysterectomy.....                          | 17              | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# IMMANUEL-ST JOSEPHS HOSPITAL

Medicare Provider Number: 240093

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 54.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 65.4 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 31.2 %  
Admitted for emergency..... 3.4 %

### COMORBIDITIES:

Cancer..... 7.5 %  
Chronic cardiovascular disease..... 40.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 12.0 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 52.4%  
State ..... 45.6%  
Outside State ..... 2.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 176  
Occupancy Rate ..... 61.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 28.9 %  
Case Mix Index (CMI) ..... 1.3408

### STAFFING:

Total Number of Physicians..... 80  
Percent of Physicians Board  
Certified Specialists ..... 80.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 118  
Licensed Practical Nurses..... 62

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ITASCA MEMORIAL CENTER

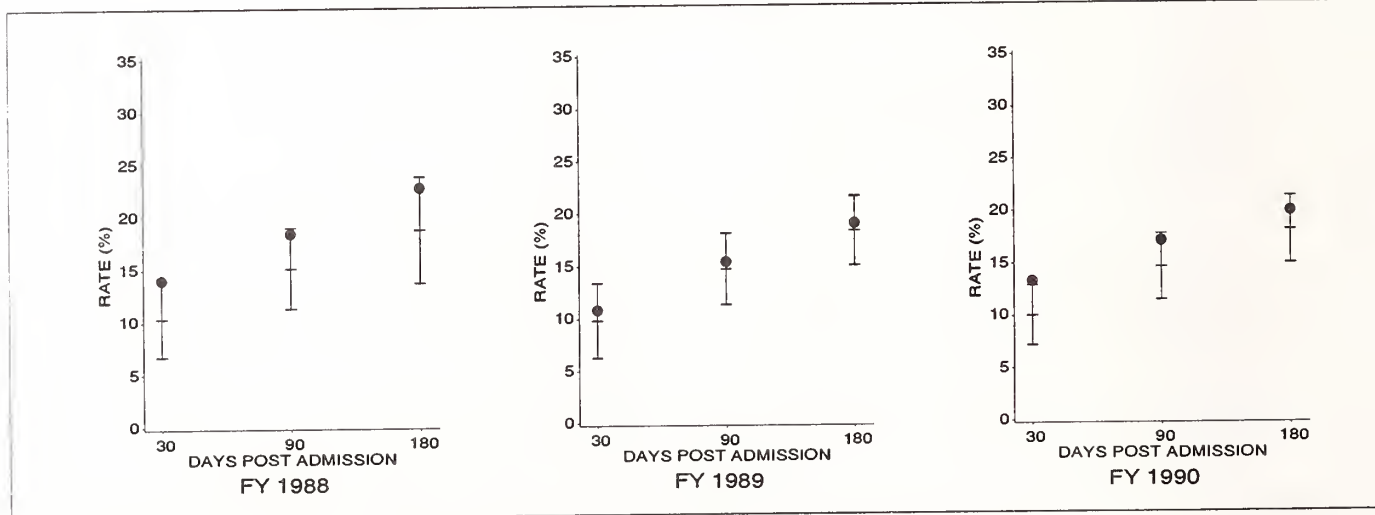
126 1ST AVE S E  
GRAND RAPIDS, MN 55744  
Medicare Provider Number: 240064

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 707             | 13.3                | 10.0 | 1.4   | 17.1    | 14.6 | 1.6   | 19.9     | 18.1 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 24              | 16.7                | 24.6 | ----- | 16.7    | 27.3 | ----- | 16.7     | 29.9 | ----- |
| Congestive Heart Failure.....              | 45              | 20.0                | 12.3 | ----- | 24.4    | 19.5 | ----- | 37.8     | 25.4 | ----- |
| Pneumonia/Influenza.....                   | 53              | 20.8                | 18.2 | 5.8   | 20.8    | 25.3 | 6.7   | 24.5     | 30.0 | 7.5   |
| Chronic Obstructive Pulmonary Disease..... | 7               | 14.3                | 7.9  | ----- | 28.6    | 12.9 | ----- | 42.9     | 17.6 | ----- |
| Transient Cerebral Ischemia.....           | 15              | 0.0                 | 2.1  | ----- | 0.0     | 4.9  | ----- | 0.0      | 8.0  | ----- |
| Stroke.....                                | 26              | 19.2                | 20.7 | ----- | 26.9    | 25.6 | ----- | 30.8     | 28.8 | ----- |
| Hip Fracture.....                          | 25              | 16.0                | 6.2  | ----- | 28.0    | 11.3 | ----- | 32.0     | 15.2 | ----- |
| Sepsis.....                                | 8               | 25.0                | 19.1 | ----- | 25.0    | 24.0 | ----- | 25.0     | 27.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 3.2  | ----- | 0.0     | 6.4  | ----- | 0.0      | 9.6  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 18              | 0.0                 | 1.9  | ----- | 5.6     | 3.6  | ----- | 5.6      | 5.2  | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 4.2  | ----- | 0.0     | 7.3  | ----- | 0.0      | 9.3  | ----- |
| Prostatectomy.....                         | 11              | 0.0                 | 1.1  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.5  | ----- |
| Cholecystectomy.....                       | 15              | 6.7                 | 1.8  | ----- | 6.7     | 2.8  | ----- | 13.3     | 3.4  | ----- |
| Hysterectomy.....                          | 13              | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ITASCA MEMORIAL CENTER

Medicare Provider Number: 240064

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years

Proportion female..... 54.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.9 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 10.6 %

Admitted for emergency..... 11.3 %

### COMORBIDITIES:

Cancer..... 9.3 %

Chronic cardiovascular disease..... 36.1 %

Chronic liver disease..... 0.7 %

Chronic renal disease..... 3.0 %

Chronic pulmonary disease..... 12.0 %

Cerebrovascular degeneration..... 6.4 %

Diabetes mellitus..... 11.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 84.0%

State ..... 13.4%

Outside State ..... 2.6%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 119

Occupancy Rate ..... 54.0 %

Ownership/Control..... Local Government

Medicare Discharges ..... 41.0 %

Case Mix Index (CMI) ..... 1.2053

### STAFFING:

Total Number of Physicians..... 35

Percent of Physicians Board  
Certified Specialists ..... 82.9 %

Medical Residents/Interns ..... 0

Registered Nurses..... 67

Licensed Practical Nurses ..... 29

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... Yes

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# JACKSON MUNICIPAL HOSPITAL

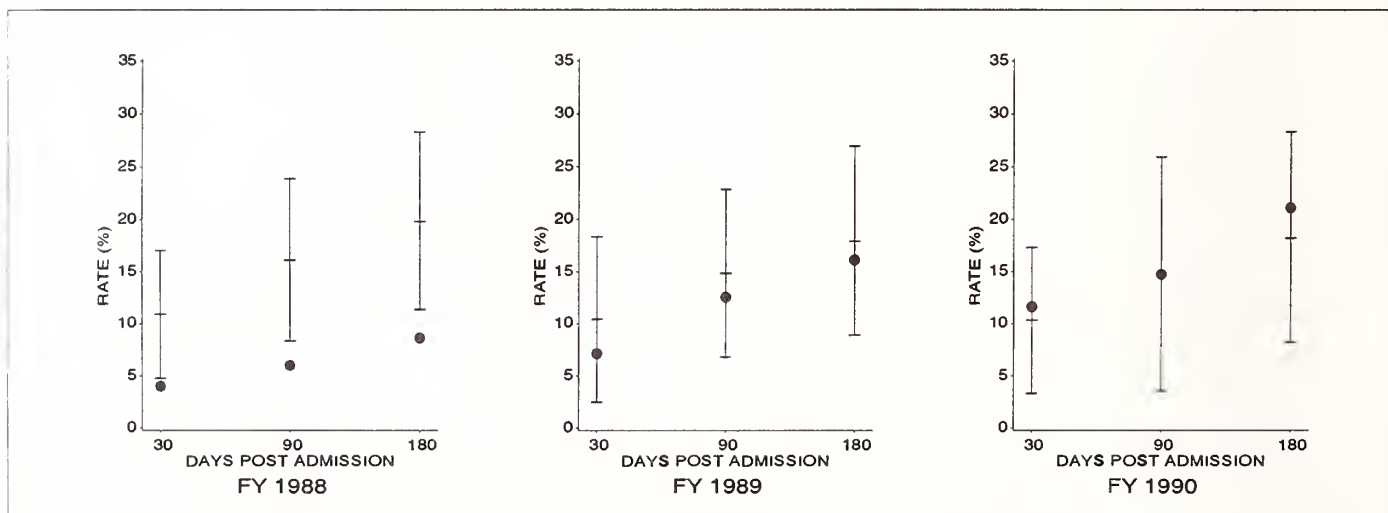
NORTH HIGHWAY  
JACKSON, MN 56143  
Medicare Provider Number: 240102

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 95                 | 11.6                | 10.3 | 3.5  | 14.7    | 14.7 | 5.6  | 21.1     | 18.2 | 5.0  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 2                  | 50.0                | 51.8 | ---- | 50.0    | 55.8 | ---- | 50.0     | 58.7 | ---- |
| Congestive Heart Failure.....              | 5                  | 40.0                | 17.0 | ---- | 40.0    | 26.7 | ---- | 60.0     | 33.6 | ---- |
| Pneumonia/Influenza.....                   | 7                  | 14.3                | 17.7 | ---- | 28.6    | 22.9 | ---- | 28.6     | 27.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 4.5  | ---- | 0.0     | 7.8  | ---- | 0.0      | 10.9 | ---- |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 2.6  | ---- | 0.0     | 5.7  | ---- | 20.0     | 9.4  | ---- |
| Stroke.....                                | 7                  | 42.9                | 23.1 | ---- | 42.9    | 29.8 | ---- | 57.1     | 34.2 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 2                  | 0.0                 | 2.8  | ---- | 0.0     | 4.4  | ---- | 0.0      | 6.0  | ---- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.5  | ---- | 0.0     | 1.2  | ---- | 0.0      | 2.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# JACKSON MUNICIPAL HOSPITAL

Medicare Provider Number: 240102

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 81.7 years  
 Proportion female..... 67.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 26.3 %  
 Transferred from skilled nursing facility..... 5.3 %  
 Admitted for elective procedure..... 0.0 %  
 Admitted for emergency..... 37.9 %

### COMORBIDITIES:

Cancer..... 3.2 %  
 Chronic cardiovascular disease..... 65.3 %  
 Chronic liver disease..... 0.0 %  
 Chronic renal disease..... 0.0 %  
 Chronic pulmonary disease..... 9.5 %  
 Cerebrovascular degeneration..... 0.0 %  
 Diabetes mellitus..... 6.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 92.7%  
 State ..... 5.7%  
 Outside State ..... 1.6%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.2 Days  
 State ..... 6.6 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 41  
 Occupancy Rate ..... 58.0 %  
 Ownership/Control..... Local Government  
 Medicare Discharges ..... 48.0 %  
 Case Mix Index (CMI) ..... 0.9007

### STAFFING:

Total Number of Physicians..... 2  
 Percent of Physicians Board  
 Certified Specialists .....(Not Available)  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 7  
 Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

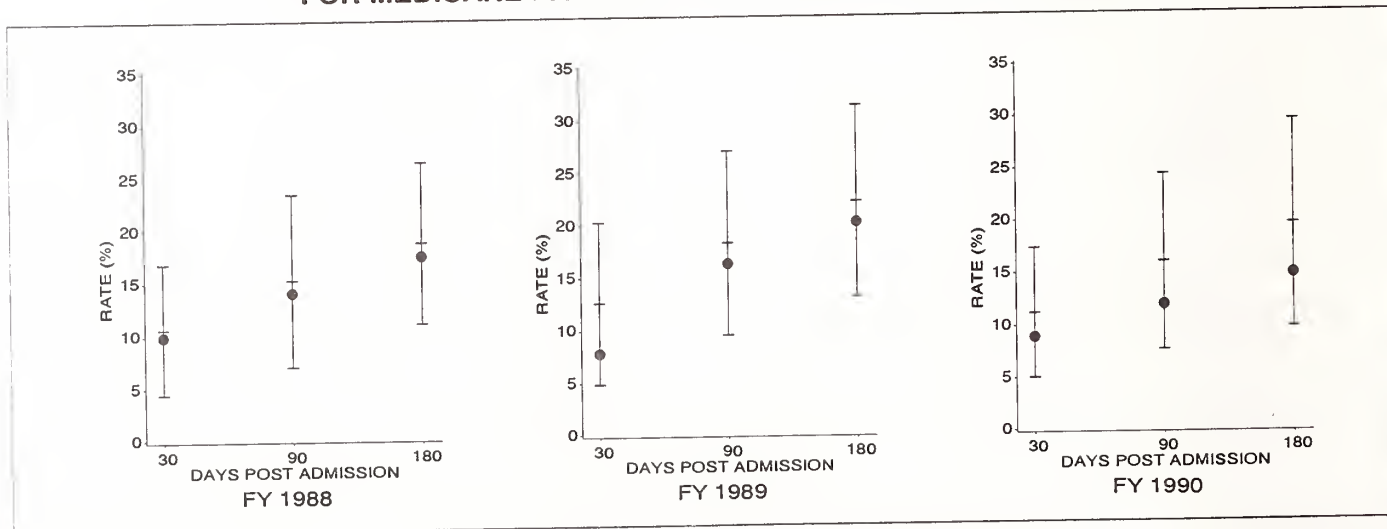
**JOHNSON MEMORIAL HOSPITAL**  
WALNUT STREET AND MEMORIAL PLACE  
DAWSON, MN 56232  
Medicare Provider Number: 240108

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 135             | 8.9                 | 11.2 | 3.1  | 11.9    | 16.0 | 4.2  | 14.8     | 19.6 | 5.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 6               | 33.3                | 41.4 | ---- | 33.3    | 45.2 | ---- | 50.0     | 48.5 | ---- |
| Congestive Heart Failure.....              | 5               | 0.0                 | 20.4 | ---- | 0.0     | 29.3 | ---- | 0.0      | 37.6 | ---- |
| Pneumonia/Influenza.....                   | 22              | 4.5                 | 19.0 | ---- | 13.6    | 26.2 | ---- | 18.2     | 30.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 1.2  | ---- | 0.0     | 2.9  | ---- | 0.0      | 5.1  | ---- |
| Stroke.....                                | 3               | 33.3                | 18.0 | ---- | 33.3    | 21.9 | ---- | 33.3     | 25.6 | ---- |
| Hip Fracture.....                          | 3               | 0.0                 | 7.5  | ---- | 0.0     | 12.5 | ---- | 0.0      | 16.1 | ---- |
| Sepsis.....                                | 4               | 100.0               | 36.9 | ---- | 100.0   | 44.2 | ---- | 100.0    | 48.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 14.7 | ---- | 0.0     | 24.1 | ---- | 0.0      | 30.6 | ---- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 3.4  | ---- | 0.0     | 6.0  | ---- | 0.0      | 8.2  | ---- |
| Prostatectomy.....                         | 3               | 0.0                 | 0.6  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.6  | ---- |
| Cholecystectomy.....                       | 4               | 25.0                | 8.8  | ---- | 25.0    | 15.6 | ---- | 50.0     | 19.9 | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# JOHNSON MEMORIAL HOSPITAL

Medicare Provider Number: 240108

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.3 years  
 Proportion female..... 52.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 15.4 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 0.0 %  
 Admitted for emergency..... 68.4 %

### COMORBIDITIES:

Cancer..... 11.0 %  
 Chronic cardiovascular disease..... 26.5 %  
 Chronic liver disease..... 0.7 %  
 Chronic renal disease..... 2.9 %  
 Chronic pulmonary disease..... 13.2 %  
 Cerebrovascular degeneration..... 5.1 %  
 Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 94.7%  
 State..... 4.3%  
 Outside State..... 1.0%  
 Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.5 Days  
 State..... 6.6 Days  
 National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 94  
 Occupancy Rate..... 79.0 %  
 Ownership/Control..... District/Authority  
 Medicare Discharges.....(Not Available)  
 Case Mix Index (CMI)..... 0.9927

### STAFFING:

Total Number of Physicians..... 3  
 Percent of Physicians Board  
 Certified Specialists..... 100.0 %  
 Medical Residents/Interns..... 0  
 Registered Nurses..... 9  
 Licensed Practical Nurses..... 9

### SPECIALTY SERVICES:

Burn Unit..... No  
 Cardiac Intensive Care..... No  
 Comprehensive Geriatric..... No  
 Hospice Care..... No  
 Medical/Surgical Intensive Care..... No  
 Organ/Tissue Transplant..... No  
 Other Intensive Care..... No  
 Trauma Center..... No  
 OTHER SPECIALTY/HOSPITAL-BASED SERVICES:  
 Alcohol/Drug..... No  
 Rehabilitation..... No  
 Psychiatric..... No  
 Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

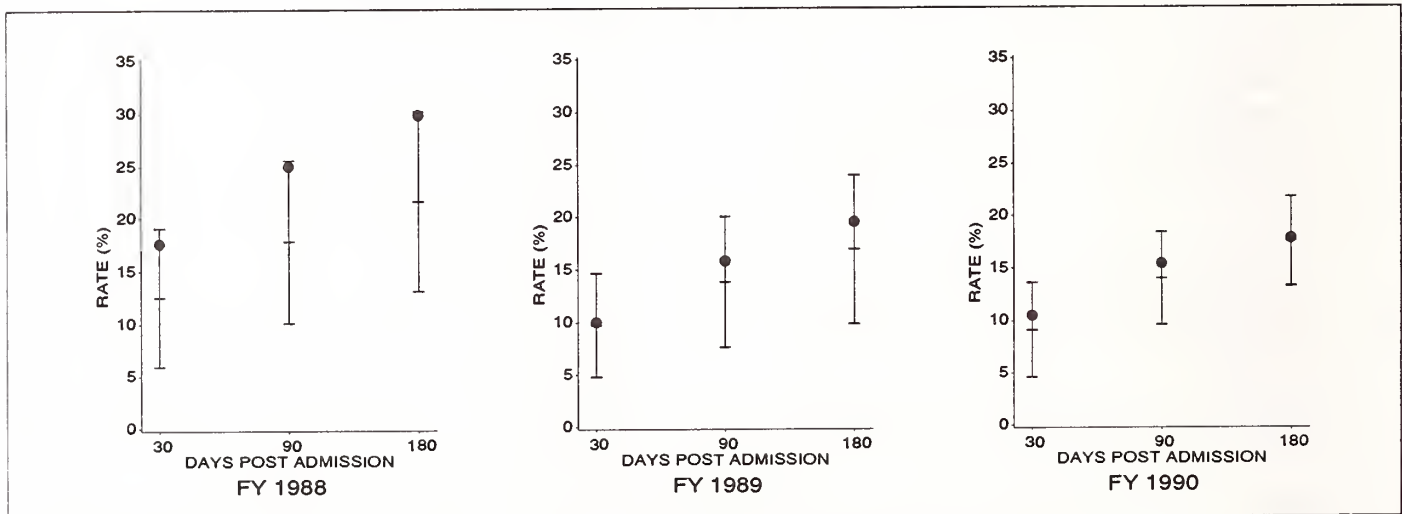
**KANABEC HOSPITAL**  
300 CLARK STREET  
MORA, MN 55051  
Medicare Provider Number: 240152

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 325             | 10.5                | 9.1  | 2.3   | 15.4    | 14.0 | 2.2   | 17.8     | 17.5 | 2.1   |
| <b>CONDITIONS:</b>                         |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 12              | 25.0                | 20.8 | ----- | 25.0    | 25.1 | ----- | 33.3     | 29.1 | ----- |
| Congestive Heart Failure.....              | 19              | 21.1                | 17.2 | ----- | 36.8    | 25.8 | ----- | 47.4     | 32.1 | ----- |
| Pneumonia/Influenza.....                   | 29              | 3.4                 | 12.7 | ----- | 6.9     | 17.2 | ----- | 13.8     | 20.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 22.2                | 6.6  | ----- | 22.2    | 12.2 | ----- | 22.2     | 16.3 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.1  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.5  | ----- |
| Stroke.....                                | 14              | 14.3                | 15.2 | ----- | 28.6    | 22.6 | ----- | 28.6     | 26.4 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 3               | 0.0                 | 43.4 | ----- | 0.0     | 47.7 | ----- | 0.0      | 51.4 | ----- |
| <b>PROCEDURES:</b>                         |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 100.0               | 12.6 | ----- | 100.0   | 16.3 | ----- | 100.0    | 18.8 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 10              | 0.0                 | 1.0  | ----- | 0.0     | 2.4  | ----- | 0.0      | 4.3  | ----- |
| Cholecystectomy.....                       | 2               | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.2  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**KANABEC HOSPITAL**  
Medicare Provider Number: 240152

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 76.3 years  
Proportion female..... 57.2 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 41.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.3 %  
Admitted for emergency..... 78.5 %

**COMORBIDITIES:**

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 28.9 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 11.1 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 8.6 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 60.6%  
State ..... 37.8%  
Outside State ..... 1.6%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 4.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 49  
Occupancy Rate ..... 30.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 46.9 %  
Case Mix Index (CMI) ..... 0.9363

**STAFFING:**

Total Number of Physicians..... 8  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 26  
Licensed Practical Nurses ..... 3

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# KARLSTAD MEMORIAL HOSPITAL

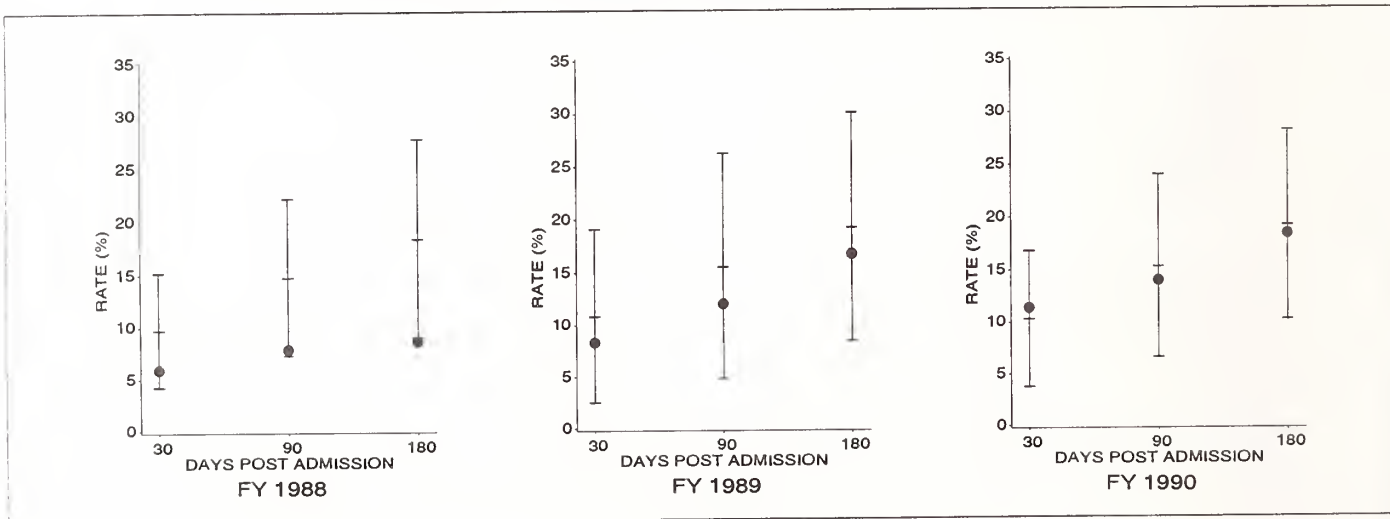
FIRST AND ROOSEVELT  
KARLSTAD, MN 56732  
Medicare Provider Number: 240180

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 114             | 11.4                | 10.3 | 3.3   | 14.0    | 15.3 | 4.4   | 18.4     | 19.2 | 4.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 9               | 44.4                | 26.3 | ----- | 44.4    | 29.0 | ----- | 44.4     | 31.7 | ----- |
| Congestive Heart Failure.....              | 6               | 0.0                 | 11.7 | ----- | 0.0     | 18.1 | ----- | 33.3     | 23.6 | ----- |
| Pneumonia/Influenza.....                   | 4               | 25.0                | 14.5 | ----- | 25.0    | 21.3 | ----- | 25.0     | 25.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 6.2  | ----- | 0.0     | 10.5 | ----- | 0.0      | 14.0 | ----- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 1.3  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.1  | ----- |
| Stroke.....                                | 4               | 0.0                 | 17.7 | ----- | 0.0     | 26.9 | ----- | 0.0      | 31.7 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 100.0               | 21.6 | ----- | 100.0   | 24.8 | ----- | 100.0    | 29.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 3               | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 0.0      | 3.0  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 6.0  | ----- | 0.0     | 9.2  | ----- | 33.3     | 10.3 | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# KARLSTAD MEMORIAL HOSPITAL

Medicare Provider Number: 240180

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.9 years  
Proportion female..... 47.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 10.4 %  
Transferred from skilled nursing facility..... 2.6 %  
Admitted for elective procedure..... 5.2 %  
Admitted for emergency..... 16.5 %

### COMORBIDITIES:

Cancer..... 7.8 %  
Chronic cardiovascular disease..... 35.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 7.0 %  
Cerebrovascular degeneration..... 3.5 %  
Diabetes mellitus..... 7.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 72.4 %  
State ..... 27.0 %  
Outside State ..... 0.6 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.4 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 90  
Occupancy Rate ..... 82.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 52.0 %  
Case Mix Index (CMI) ..... 0.9706

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# KITTSON MEMORIAL HOSPITAL

1010 SOUTH BIRCH AVENUE  
HALLOCK, MN 56728  
Medicare Provider Number: 240138

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 50                 | 6.0                 | 5.6  | ---- | 12.0    | 9.5  | ---- | 14.0     | 12.8 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 4                  | 50.0                | 14.4 | ---- | 50.0    | 23.5 | ---- | 75.0     | 31.0 | ---- |
| Pneumonia/Influenza.....                   | 3                  | 0.0                 | 12.0 | ---- | 0.0     | 16.3 | ---- | 0.0      | 19.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 5.6  | ---- | 0.0     | 9.6  | ---- | 0.0      | 12.2 | ---- |
| Transient Cerebral Ischemia.....           | 1                  | 100.0               | 1.5  | ---- | 100.0   | 3.6  | ---- | 100.0    | 5.9  | ---- |
| Stroke.....                                | 2                  | 0.0                 | 11.1 | ---- | 0.0     | 14.7 | ---- | 0.0      | 17.6 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.4  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# KITTSON MEMORIAL HOSPITAL

Medicare Provider Number: 240138

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.2 years  
Proportion female..... 48.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 32.0 %  
Transferred from skilled nursing facility..... 2.0 %  
Admitted for elective procedure..... 2.0 %  
Admitted for emergency..... 28.0 %

### COMORBIDITIES:

Cancer..... 4.0 %  
Chronic cardiovascular disease..... 12.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 6.0 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 4.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 98.4%  
State ..... 0.0%  
Outside State ..... 1.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 131  
Occupancy Rate ..... 38.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... (Not Available)  
Case Mix Index (CMI) ..... 0.8660

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 7  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKE CITY HOSPITAL

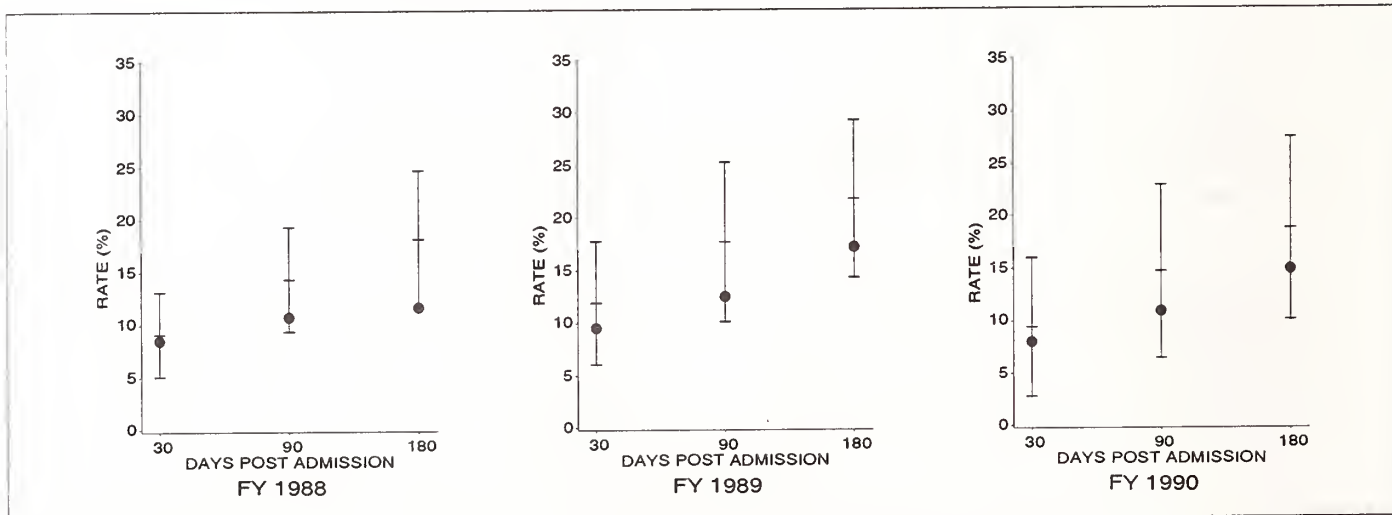
904 SOUTH LAKESHORE DR  
LAKE CITY, MN 55041  
Medicare Provider Number: 240090

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 201             | 8.0                 | 9.4  | 3.3  | 10.9    | 14.7 | 4.1  | 14.9     | 18.8 | 4.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 60.0                | 16.9 | ---- | 60.0    | 20.0 | ---- | 60.0     | 23.2 | ---- |
| Congestive Heart Failure.....              | 14              | 7.1                 | 12.7 | ---- | 14.3    | 20.3 | ---- | 21.4     | 26.6 | ---- |
| Pneumonia/Influenza.....                   | 21              | 14.3                | 11.9 | ---- | 14.3    | 16.8 | ---- | 28.6     | 20.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 1.0  | ---- | 0.0     | 2.6  | ---- | 0.0      | 4.6  | ---- |
| Stroke.....                                | 17              | 17.6                | 20.6 | ---- | 29.4    | 29.0 | ---- | 35.3     | 33.9 | ---- |
| Hip Fracture.....                          | 6               | 0.0                 | 5.6  | ---- | 0.0     | 10.8 | ---- | 0.0      | 14.8 | ---- |
| Sepsis.....                                | 2               | 50.0                | 33.3 | ---- | 50.0    | 39.7 | ---- | 50.0     | 43.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 2.8  | ---- | 0.0     | 5.6  | ---- | 0.0      | 8.0  | ---- |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 9.2  | ---- | 0.0     | 18.7 | ---- | 0.0      | 26.1 | ---- |
| Prostatectomy.....                         | 10              | 0.0                 | 2.8  | ---- | 0.0     | 6.1  | ---- | 0.0      | 10.0 | ---- |
| Cholecystectomy.....                       | 2               | 0.0                 | 1.3  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.0  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**LAKE CITY HOSPITAL**  
Medicare Provider Number: 240090

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 77.7 years  
Proportion female..... 54.2 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 78.6 %  
Transferred from skilled nursing facility..... 4.5 %  
Admitted for elective procedure..... 1.0 %  
Admitted for emergency..... 1.0 %

**COMORBIDITIES:**

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 35.3 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 19.4 %  
Cerebrovascular degeneration..... 9.5 %  
Diabetes mellitus..... 7.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 90.1%  
State ..... 7.6%  
Outside State ..... 2.3%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 4.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 29  
Occupancy Rate ..... 31.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 41.1 %  
Case Mix Index (CMI) ..... 1.0714

**STAFFING:**

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses ..... 10

\*\* Except for CMI

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\* Not used in calculating mortality rates

# LAKE REGION HOSPITAL

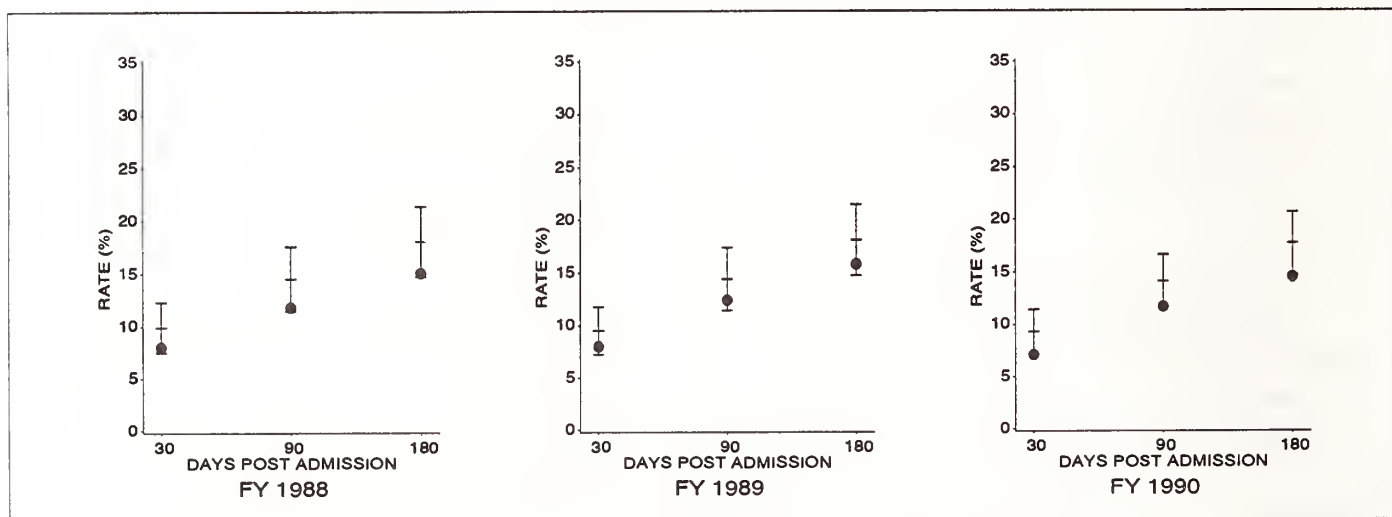
712 S CASCADE  
FERGUS FALLS, MN 56537  
Medicare Provider Number: 240052

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1234            | 7.1                 | 9.3  | 1.1  | 11.7    | 14.1 | 1.3  | 14.5     | 17.7 | 1.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 46              | 21.7                | 25.9 | ---- | 28.3    | 29.5 | ---- | 30.4     | 32.4 | ---- |
| Congestive Heart Failure.....              | 60              | 16.7                | 18.2 | 5.1  | 20.0    | 28.6 | 7.0  | 21.7     | 35.5 | 8.5  |
| Pneumonia/Influenza.....                   | 69              | 14.5                | 17.6 | 6.1  | 18.8    | 24.3 | 9.0  | 20.3     | 28.8 | 10.7 |
| Chronic Obstructive Pulmonary Disease..... | 13              | 15.4                | 6.9  | ---- | 23.1    | 12.3 | ---- | 23.1     | 16.5 | ---- |
| Transient Cerebral Ischemia.....           | 21              | 0.0                 | 2.1  | ---- | 0.0     | 4.9  | ---- | 4.8      | 8.1  | ---- |
| Stroke.....                                | 45              | 4.4                 | 20.4 | ---- | 8.9     | 25.7 | ---- | 15.6     | 29.5 | ---- |
| Hip Fracture.....                          | 39              | 7.7                 | 7.9  | ---- | 17.9    | 13.6 | ---- | 17.9     | 17.2 | ---- |
| Sepsis.....                                | 9               | 22.2                | 23.7 | ---- | 33.3    | 29.3 | ---- | 33.3     | 33.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 5               | 0.0                 | 2.5  | ---- | 20.0    | 4.9  | ---- | 40.0     | 7.5  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 28              | 0.0                 | 2.4  | ---- | 7.1     | 4.5  | ---- | 7.1      | 6.2  | ---- |
| Open Reduction of Hip Fracture.....        | 25              | 8.0                 | 6.8  | ---- | 16.0    | 12.1 | ---- | 16.0     | 15.8 | ---- |
| Prostatectomy.....                         | 44              | 0.0                 | 1.1  | ---- | 4.5     | 2.5  | ---- | 4.5      | 4.2  | ---- |
| Cholecystectomy.....                       | 36              | 2.8                 | 2.5  | ---- | 5.6     | 4.8  | ---- | 11.1     | 6.6  | ---- |
| Hysterectomy.....                          | 12              | 0.0                 | 1.0  | ---- | 0.0     | 2.4  | ---- | 8.3      | 3.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LAKE REGION HOSPITAL

Medicare Provider Number: 240052

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 54.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 54.4 %  
Transferred from skilled nursing facility..... 0.9 %  
Admitted for elective procedure..... 16.9 %  
Admitted for emergency..... 40.0 %

### COMORBIDITIES:

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 40.4 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.7 %  
Chronic pulmonary disease..... 12.7 %  
Cerebrovascular degeneration..... 5.9 %  
Diabetes mellitus..... 5.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.2%  
State ..... 13.2%  
Outside State ..... 3.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.4 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 136  
Occupancy Rate ..... 66.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 53.5 %  
Case Mix Index (CMI) ..... 1.1844

### STAFFING:

Total Number of Physicians..... 42  
Percent of Physicians Board  
Certified Specialists ..... 88.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 79  
Licensed Practical Nurses ..... 29

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKEFIELD MUNICIPAL HOSPITAL

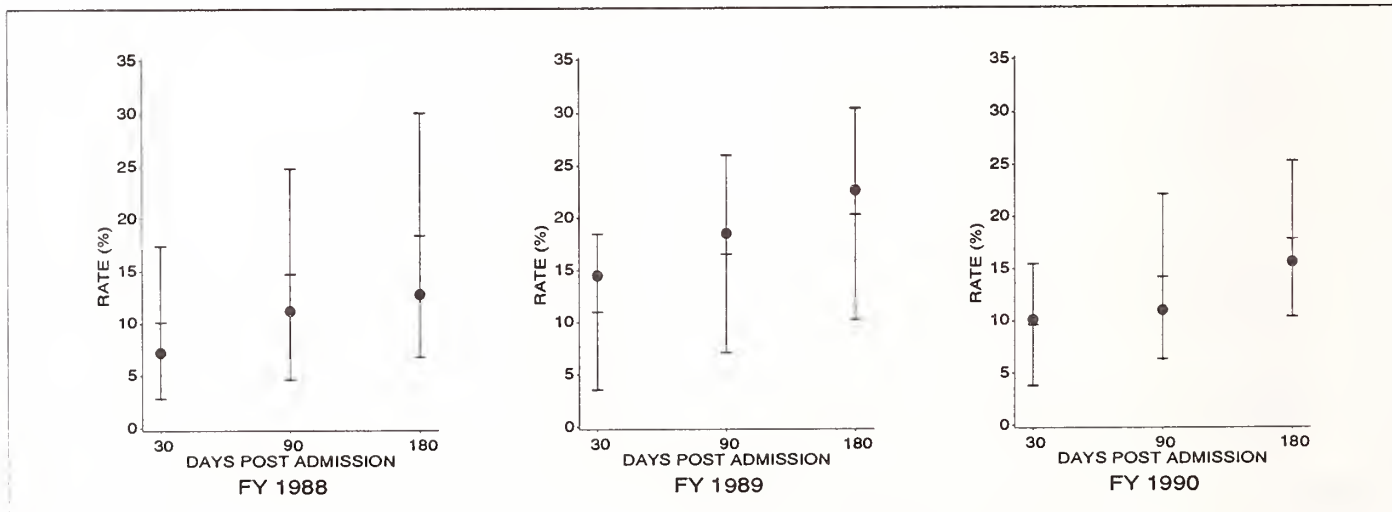
220 MILWAUKEE ST  
LAKEFIELD, MN 56150  
Medicare Provider Number: 240091

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 109             | 10.1                | 9.6  | 2.9   | 11.0    | 14.2 | 4.0   | 15.6     | 17.8 | 3.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 16.7                | 18.9 | ----- | 16.7    | 23.1 | ----- | 16.7     | 26.7 | ----- |
| Congestive Heart Failure.....              | 8               | 12.5                | 16.2 | ----- | 12.5    | 24.8 | ----- | 12.5     | 31.6 | ----- |
| Pneumonia/Influenza.....                   | 10              | 0.0                 | 12.5 | ----- | 0.0     | 17.6 | ----- | 0.0      | 21.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 3.9  | ----- | 0.0     | 7.6  | ----- | 0.0      | 10.7 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 4.5  | ----- | 25.0    | 10.0 | ----- | 25.0     | 15.7 | ----- |
| Stroke.....                                | 3               | 0.0                 | 17.0 | ----- | 0.0     | 21.7 | ----- | 0.0      | 25.7 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 11.5 | ----- | 0.0     | 18.4 | ----- | 0.0      | 23.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 1.2  | ----- | 0.0     | 2.9  | ----- | 0.0      | 4.5  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 4               | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.5  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 0.8  | ----- | 0.0     | 1.4  | ----- | 0.0      | 1.9  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.5  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LAKEFIELD MUNICIPAL HOSPITAL

Medicare Provider Number: 240091

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 79.4 years |
| Proportion female.....        | 66.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 92.7 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 23.9 % |
| Admitted for emergency.....                    | 12.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.3 %  |
| Chronic cardiovascular disease..... | 45.0 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 0.9 %  |
| Chronic pulmonary disease.....      | 11.0 % |
| Cerebrovascular degeneration.....   | 7.3 %  |
| Diabetes mellitus.....              | 7.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 80.5%  |
| State .....         | 14.5%  |
| Outside State ..... | 5.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.3 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 18               |
| Ownership/Control.....     | Local Government |
| Case Mix Index (CMI) ..... | 0.9894           |

### STAFFING:

|                                 |   |
|---------------------------------|---|
| Medical Residents/Interns ..... | 0 |
| Registered Nurses.....          | 9 |
| Licensed Practical Nurses.....  | 3 |

### SPECIALTY SERVICES:

|                           |    |
|---------------------------|----|
| Burn Unit .....           | No |
| Coronary Care Unit .....  | No |
| Hospice Care .....        | No |
| Intensive Care Unit ..... | No |
| Organ Transplant .....    | No |
| Trauma Center .....       | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKESIDE MEDICAL CENTER, INC

129 E SIXTH AVE  
PINE CITY, MN 55063  
Medicare Provider Number: 240211

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 6                  | 33.3                | 21.0 | ----- | 50.0    | 29.9 | ----- | 83.3     | 35.6 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 4                  | 0.0                 | 23.0 | ----- | 25.0    | 31.2 | ----- | 75.0     | 36.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# LAKESIDE MEDICAL CENTER, INC

Medicare Provider Number: 240211

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 84.8 years  
Proportion female..... 66.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 100.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 33.3 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 16.7 %  
Chronic pulmonary disease..... 33.3 %  
Cerebrovascular degeneration..... 33.3 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 62.5%  
State ..... 37.5%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 10  
Ownership/Control..... Private, For Profit  
Case Mix Index (CMI) ..... 0.9945

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKEVIEW MEMORIAL HOSPITAL

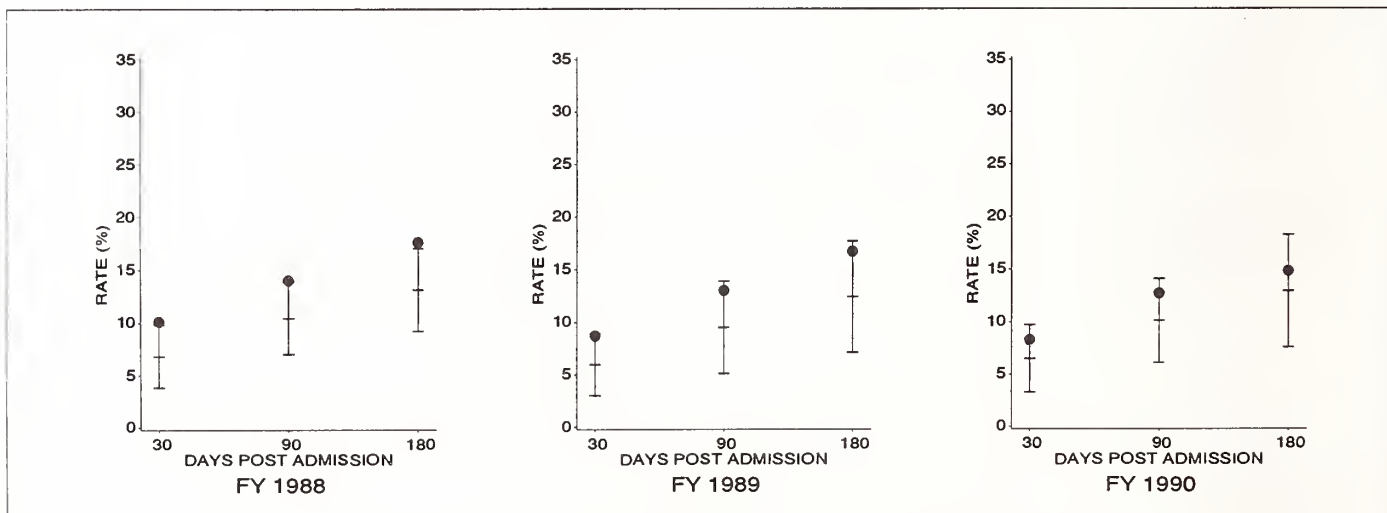
919 WEST ANDERSON STREET  
STILLWATER, MN 55082  
Medicare Provider Number: 240066

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 432                | 8.3                 | 6.5  | 1.6   | 12.7    | 10.1 | 2.0   | 14.8     | 12.9 | 2.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10                 | 30.0                | 20.9 | ----- | 30.0    | 23.9 | ----- | 30.0     | 26.8 | ----- |
| Congestive Heart Failure.....              | 19                 | 10.5                | 14.5 | ----- | 21.1    | 23.4 | ----- | 36.8     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 22                 | 22.7                | 17.4 | ----- | 36.4    | 24.3 | ----- | 36.4     | 28.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 17.4 | ----- | 0.0     | 29.8 | ----- | 0.0      | 37.0 | ----- |
| Transient Cerebral Ischemia.....           | 14                 | 0.0                 | 1.1  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.6  | ----- |
| Stroke.....                                | 10                 | 40.0                | 20.0 | ----- | 40.0    | 26.6 | ----- | 40.0     | 30.5 | ----- |
| Hip Fracture.....                          | 12                 | 8.3                 | 7.0  | ----- | 8.3     | 12.4 | ----- | 8.3      | 16.1 | ----- |
| Sepsis.....                                | 4                  | 25.0                | 40.9 | ----- | 25.0    | 47.2 | ----- | 50.0     | 52.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 24                 | 4.2                 | 1.1  | ----- | 4.2     | 1.9  | ----- | 4.2      | 2.6  | ----- |
| Open Reduction of Hip Fracture.....        | 4                  | 0.0                 | 8.5  | ----- | 0.0     | 14.7 | ----- | 0.0      | 18.3 | ----- |
| Prostatectomy.....                         | 13                 | 0.0                 | 0.7  | ----- | 15.4    | 1.5  | ----- | 15.4     | 2.6  | ----- |
| Cholecystectomy.....                       | 5                  | 0.0                 | 0.8  | ----- | 0.0     | 1.4  | ----- | 0.0      | 1.9  | ----- |
| Hysterectomy.....                          | 6                  | 0.0                 | 0.8  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LAKEVIEW MEMORIAL HOSPITAL

Medicare Provider Number: 240066

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
 Proportion female..... 58.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 64.6 %  
 Transferred from skilled nursing facility..... 1.4 %  
 Admitted for elective procedure..... 64.6 %  
 Admitted for emergency..... 31.5 %

### COMORBIDITIES:

Cancer..... 6.0 %  
 Chronic cardiovascular disease..... 27.1 %  
 Chronic liver disease..... 0.2 %  
 Chronic renal disease..... 2.1 %  
 Chronic pulmonary disease..... 10.6 %  
 Cerebrovascular degeneration..... 7.2 %  
 Diabetes mellitus..... 3.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 53.6%  
 State..... 17.6%  
 Outside State..... 28.8%  
 Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.5 Days  
 State..... 6.6 Days  
 National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 48  
 Occupancy Rate..... 62.0 %  
 Ownership/Control..... Private, Non-Profit  
 Medicare Discharges..... 17.7 %  
 Case Mix Index (CMI)..... 1.2953

### STAFFING:

Total Number of Physicians..... 45  
 Percent of Physicians Board  
 Certified Specialists..... 100.0 %  
 Medical Residents/Interns..... 0  
 Registered Nurses..... 64  
 Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit..... No  
 Cardiac Intensive Care..... No  
 Comprehensive Geriatric..... No  
 Hospice Care..... Yes  
 Medical/Surgical Intensive Care..... Yes  
 Organ/Tissue Transplant..... No  
 Other Intensive Care..... No  
 Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
 Rehabilitation..... No  
 Psychiatric..... No  
 Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKEVIEW MEMORIAL HOSPITAL INC

11TH AVENUE AND FOURTH STREET

TWO HARBORS, MN 55616

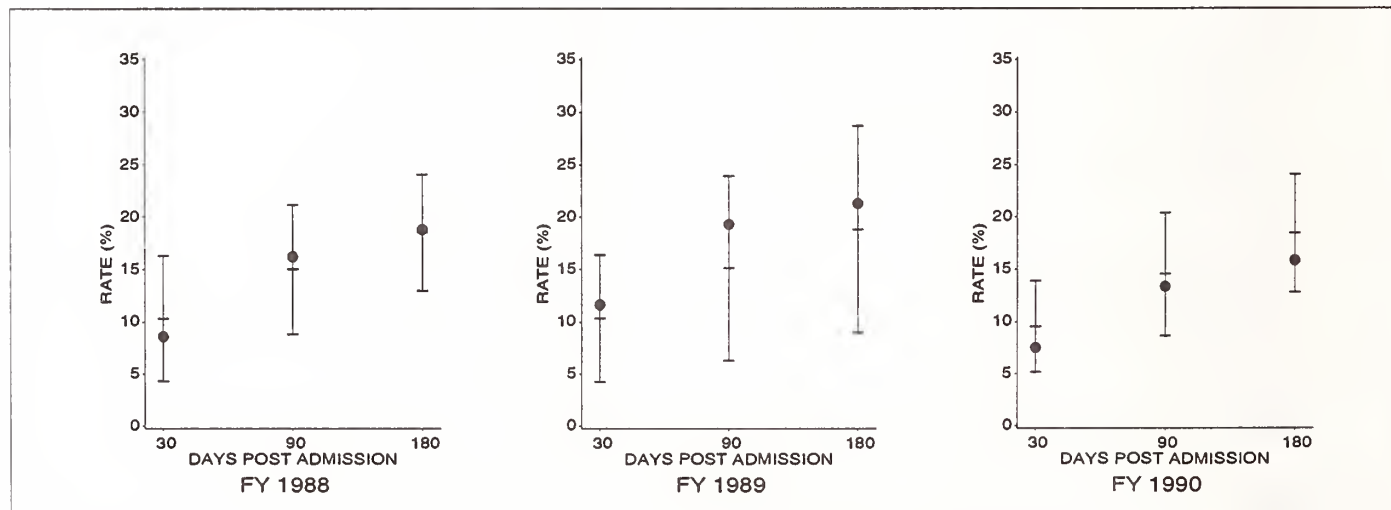
Medicare Provider Number: 240051

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 241                | 7.5                 | 9.5  | 2.2  | 13.3    | 14.5 | 2.9  | 15.8     | 18.4 | 2.8  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 7                  | 28.6                | 26.1 | ---- | 28.6    | 30.3 | ---- | 28.6     | 33.9 | ---- |
| Congestive Heart Failure.....              | 22                 | 4.5                 | 12.6 | ---- | 9.1     | 20.2 | ---- | 13.6     | 26.3 | ---- |
| Pneumonia/Influenza.....                   | 18                 | 11.1                | 16.2 | ---- | 27.8    | 22.7 | ---- | 33.3     | 27.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 6.4  | ---- | 66.7    | 12.0 | ---- | 66.7     | 16.7 | ---- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.0  | ---- | 0.0     | 2.3  | ---- | 0.0      | 4.0  | ---- |
| Stroke.....                                | 10                 | 10.0                | 12.5 | ---- | 10.0    | 16.3 | ---- | 10.0     | 19.3 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 3                  | 0.0                 | 26.4 | ---- | 0.0     | 34.0 | ---- | 0.0      | 37.2 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 2                  | 0.0                 | 0.6  | ---- | 0.0     | 1.1  | ---- | 0.0      | 1.8  | ---- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.0  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LAKEVIEW MEMORIAL HOSPITAL INC

Medicare Provider Number: 240051

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.3 years |
| Proportion female.....        | 53.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 51.0 % |
| Transferred from skilled nursing facility..... | 5.4 %  |
| Admitted for elective procedure.....           | 14.5 % |
| Admitted for emergency.....                    | 8.3 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.6 %  |
| Chronic cardiovascular disease..... | 34.4 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 0.4 %  |
| Chronic pulmonary disease.....      | 8.3 %  |
| Cerebrovascular degeneration.....   | 7.9 %  |
| Diabetes mellitus.....              | 12.0 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 86.9%  |
| State .....         | 11.8%  |
| Outside State ..... | 1.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.3 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 80                  |
| Occupancy Rate .....       | 73.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 44.3 %              |
| Case Mix Index (CMI) ..... | 0.9148              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 12     |
| Percent of Physicians Board<br>Certified Specialists ..... | 75.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 9      |
| Licensed Practical Nurses.....                             | 2      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | No  |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKEWOOD HEALTH CENTER

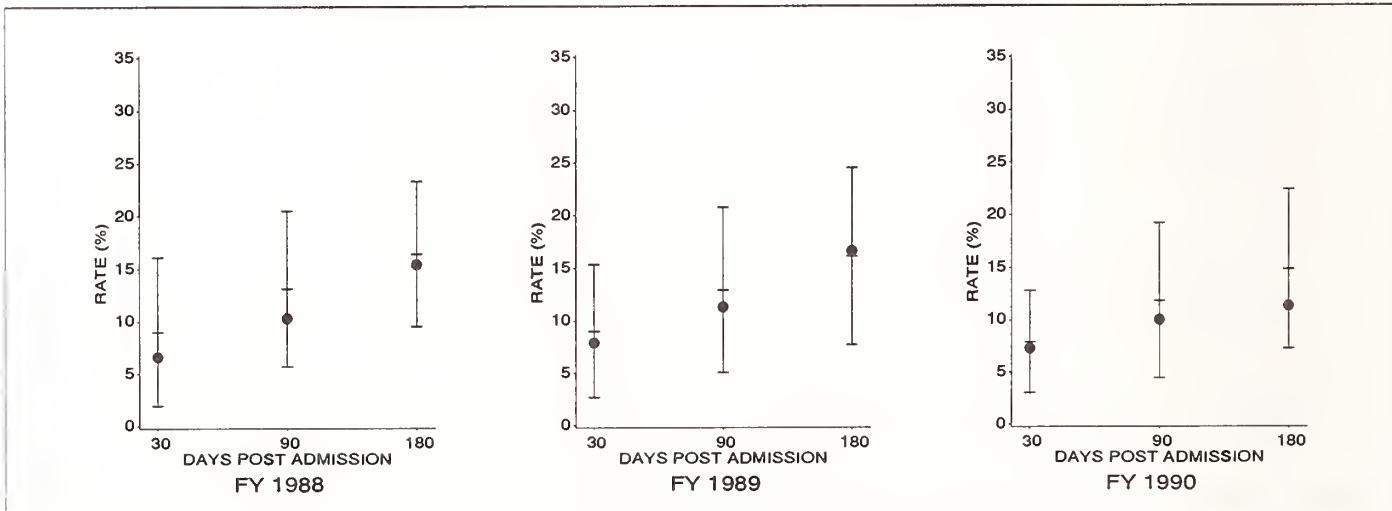
RR 1, BOX 2120  
BAUDETTE, MN 56623  
Medicare Provider Number: 240098

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 150                | 7.3                 | 7.9  | 2.4   | 10.0    | 11.8 | 3.7   | 11.3     | 14.8 | 3.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10                 | 30.0                | 25.6 | ----- | 30.0    | 28.3 | ----- | 40.0     | 31.2 | ----- |
| Congestive Heart Failure.....              | 9                  | 0.0                 | 15.2 | ----- | 0.0     | 25.6 | ----- | 0.0      | 33.0 | ----- |
| Pneumonia/Influenza.....                   | 19                 | 21.1                | 17.2 | ----- | 31.6    | 24.0 | ----- | 36.8     | 28.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 4.5  | ----- | 0.0     | 7.5  | ----- | 0.0      | 11.2 | ----- |
| Transient Cerebral Ischemia.....           | 6                  | 0.0                 | 2.7  | ----- | 0.0     | 5.7  | ----- | 0.0      | 8.5  | ----- |
| Stroke.....                                | 2                  | 0.0                 | 21.6 | ----- | 0.0     | 26.1 | ----- | 0.0      | 29.4 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 4                  | 0.0                 | 1.9  | ----- | 0.0     | 4.6  | ----- | 0.0      | 7.5  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LAKEWOOD HEALTH CENTER

Medicare Provider Number: 240098

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.1 years  
Proportion female..... 54.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 66.0 %  
Transferred from skilled nursing facility..... 0.7 %  
Admitted for elective procedure..... 17.3 %  
Admitted for emergency..... 34.0 %

### COMORBIDITIES:

Cancer..... 4.0 %  
Chronic cardiovascular disease..... 54.0 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 6.7 %  
Cerebrovascular degeneration..... 3.3 %  
Diabetes mellitus..... 10.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 73.3%  
State..... 19.1%  
Outside State..... 7.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 3.4 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 86  
Occupancy Rate..... 22.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 32.8 %  
Case Mix Index (CMI)..... 0.9825

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 50.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 12  
Licensed Practical Nurses..... 6

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# LONG PRAIRIE MEMORIAL HOSPITAL

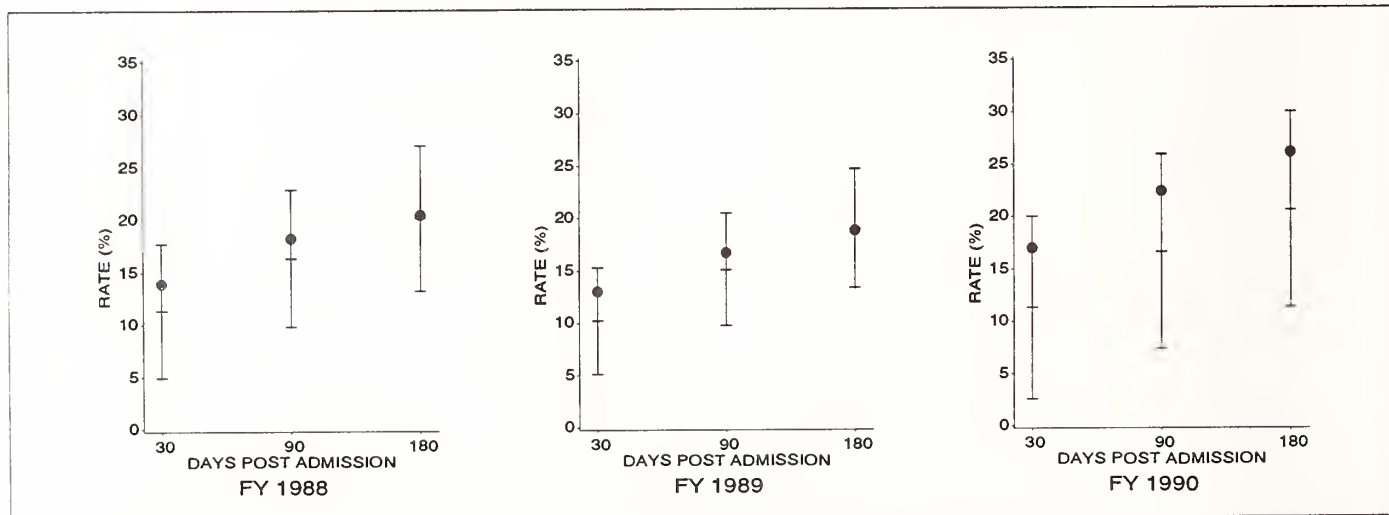
20 9TH STREET S E  
LONG PRAIRIE, MN 56347  
Medicare Provider Number: 240142

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 165             | 17.0                | 11.3 | 4.4  | 22.4    | 16.6 | 4.7  | 26.1     | 20.6 | 4.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 7               | 42.9                | 23.1 | ---- | 42.9    | 26.6 | ---- | 42.9     | 30.2 | ---- |
| Congestive Heart Failure.....              | 4               | 0.0                 | 20.7 | ---- | 0.0     | 33.5 | ---- | 25.0     | 41.2 | ---- |
| Pneumonia/Influenza.....                   | 8               | 25.0                | 16.5 | ---- | 37.5    | 22.7 | ---- | 50.0     | 27.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 13.0 | ---- | 100.0   | 22.6 | ---- | 100.0    | 29.6 | ---- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 8               | 25.0                | 20.7 | ---- | 25.0    | 25.7 | ---- | 25.0     | 29.5 | ---- |
| Hip Fracture.....                          | 9               | 11.1                | 9.7  | ---- | 22.2    | 17.1 | ---- | 22.2     | 22.1 | ---- |
| Sepsis.....                                | 5               | 40.0                | 30.7 | ---- | 40.0    | 39.3 | ---- | 60.0     | 45.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 2.3  | ---- | 0.0     | 5.3  | ---- | 0.0      | 8.5  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 4               | 25.0                | 3.3  | ---- | 25.0    | 6.6  | ---- | 25.0     | 10.0 | ---- |
| Open Reduction of Hip Fracture.....        | 6               | 0.0                 | 11.3 | ---- | 16.7    | 20.7 | ---- | 16.7     | 27.1 | ---- |
| Prostatectomy.....                         | 4               | 0.0                 | 0.9  | ---- | 0.0     | 2.2  | ---- | 0.0      | 4.0  | ---- |
| Cholecystectomy.....                       | 2               | 0.0                 | 0.6  | ---- | 0.0     | 1.2  | ---- | 0.0      | 1.7  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LONG PRAIRIE MEMORIAL HOSPITAL

Medicare Provider Number: 240142

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 80.2 years

Proportion female..... 53.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 83.0 %

Transferred from skilled nursing facility..... 14.5 %

Admitted for elective procedure..... 3.6 %

Admitted for emergency..... 37.0 %

### COMORBIDITIES:

Cancer..... 7.3 %

Chronic cardiovascular disease..... 35.2 %

Chronic liver disease..... 0.6 %

Chronic renal disease..... 1.2 %

Chronic pulmonary disease..... 13.3 %

Cerebrovascular degeneration..... 4.8 %

Diabetes mellitus..... 6.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 90.6%

State ..... 9.0%

Outside State ..... 0.4%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.3 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1988

### PROFILE:

Total Beds ..... 34

Ownership/Control..... Private, Non-Profit

Case Mix Index (CMI) ..... 1.0971

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 9

Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... Yes

Hospice Care ..... No

Intensive Care Unit ..... Yes

Organ Transplant ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# **LUVERNE COMMUNITY HOSPITAL**

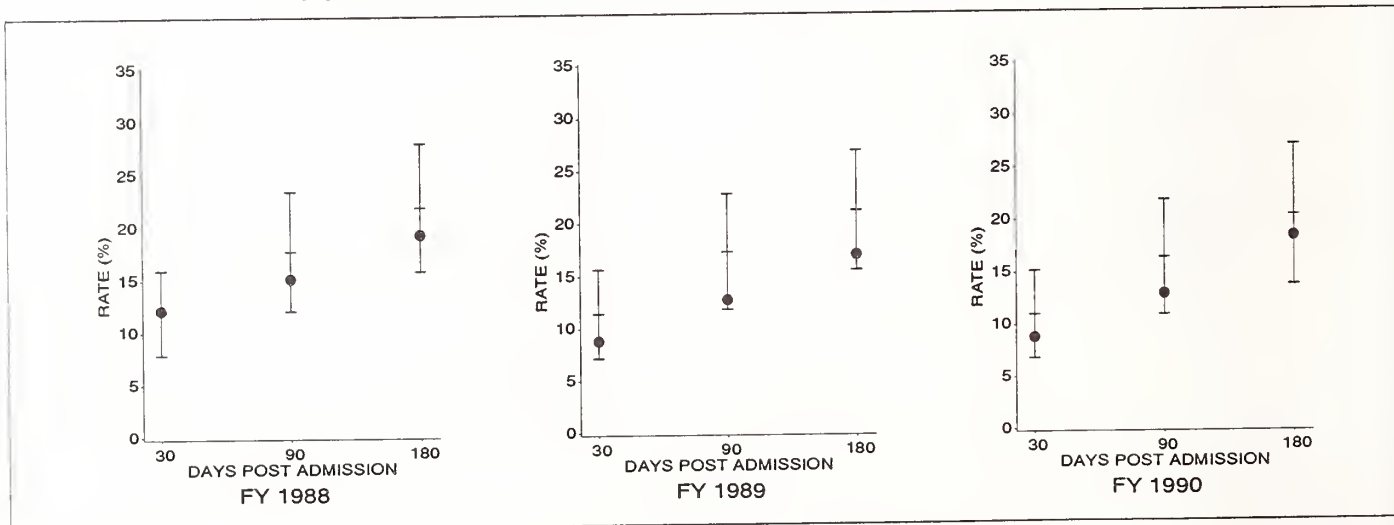
305 EAST LUVERNE STREET  
LUVERNE, MN 56156  
Medicare Provider Number: 240128

## **FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 342             | 8.8                 | 11.0 | 2.1  | 12.9    | 16.4 | 2.7  | 18.4     | 20.4 | 3.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 6               | 33.3                | 33.3 | ---- | 33.3    | 36.8 | ---- | 50.0     | 40.1 | ---- |
| Congestive Heart Failure.....              | 21              | 14.3                | 15.0 | ---- | 14.3    | 23.2 | ---- | 33.3     | 29.9 | ---- |
| Pneumonia/Influenza.....                   | 25              | 4.0                 | 16.3 | ---- | 12.0    | 21.7 | ---- | 16.0     | 25.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 21.5 | ---- | 0.0     | 31.4 | ---- | 0.0      | 37.2 | ---- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.5  | ---- | 0.0     | 3.5  | ---- | 0.0      | 5.6  | ---- |
| Stroke.....                                | 13              | 23.1                | 22.0 | ---- | 23.1    | 27.4 | ---- | 23.1     | 30.7 | ---- |
| Hip Fracture.....                          | 14              | 7.1                 | 8.6  | ---- | 7.1     | 15.3 | ---- | 21.4     | 19.4 | ---- |
| Sepsis.....                                | 2               | 0.0                 | 26.3 | ---- | 0.0     | 32.1 | ---- | 0.0      | 37.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 1.8  | ---- | 0.0     | 4.1  | ---- | 0.0      | 6.8  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 5.5  | ---- | 0.0     | 9.9  | ---- | 33.3     | 13.0 | ---- |
| Open Reduction of Hip Fracture.....        | 9               | 11.1                | 7.0  | ---- | 11.1    | 12.9 | ---- | 22.2     | 16.8 | ---- |
| Prostatectomy.....                         | 3               | 0.0                 | 0.3  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.0  | ---- |
| Cholecystectomy.....                       | 6               | 0.0                 | 1.4  | ---- | 0.0     | 2.9  | ---- | 0.0      | 4.2  | ---- |
| Hysterectomy.....                          | 4               | 0.0                 | 2.2  | ---- | 0.0     | 4.9  | ---- | 0.0      | 7.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## **OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# **LUVERNE COMMUNITY HOSPITAL**

Medicare Provider Number: 240128

## **FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

### **DEMOGRAPHICS:**

Average age at admission..... 79.0 years  
Proportion female..... 62.6 %

### **ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 29.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 8.5 %  
Admitted for emergency..... 62.0 %

### **COMORBIDITIES:**

Cancer..... 12.3 %  
Chronic cardiovascular disease..... 39.2 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 1.5 %  
Chronic pulmonary disease..... 11.4 %  
Cerebrovascular degeneration..... 2.6 %  
Diabetes mellitus..... 5.3 %

## **ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

### **ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 63.8%  
State..... 26.2%  
Outside State..... 10.0%  
Total..... 100.0%

### **MEDICARE AVERAGE LENGTH OF STAY:**

Hospital..... 6.2 Days  
State..... 6.6 Days  
National..... 8.6 Days

## **HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### **PROFILE:**

Total Beds..... 38  
Occupancy Rate..... 44.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... 55.6 %  
Case Mix Index (CMI)..... 1.1552

### **STAFFING:**

Total Number of Physicians..... 16  
Percent of Physicians Board  
Certified Specialists..... 62.5 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 15  
Licensed Practical Nurses..... 12

### **SPECIALTY SERVICES:**

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### **OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MADELIA COMMUNITY HOSPITAL

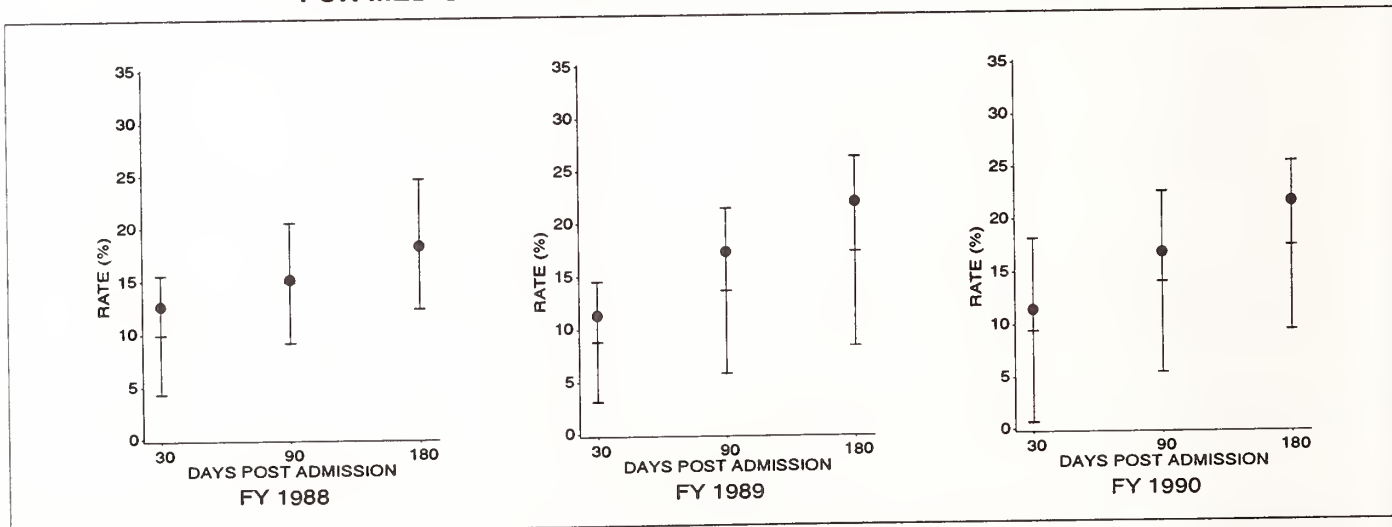
121 DREW AVE SE  
MADELIA, MN 56062  
Medicare Provider Number: 240129

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 167             | 11.4                | 9.4  | 4.4  | 16.8    | 14.0 | 4.3  | 21.6     | 17.4 | 4.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 100.0               | 32.1 | ---- | 100.0   | 36.0 | ---- | 100.0    | 38.8 | ---- |
| Congestive Heart Failure.....              | 7               | 28.6                | 11.8 | ---- | 28.6    | 18.1 | ---- | 42.9     | 23.2 | ---- |
| Pneumonia/Influenza.....                   | 29              | 0.0                 | 15.0 | ---- | 6.9     | 20.6 | ---- | 13.8     | 24.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 6.0  | ---- | 0.0     | 11.2 | ---- | 0.0      | 15.1 | ---- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 2.1  | ---- | 0.0     | 4.3  | ---- | 0.0      | 6.6  | ---- |
| Stroke.....                                | 15              | 26.7                | 16.4 | ---- | 33.3    | 21.5 | ---- | 33.3     | 25.3 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 3               | 33.3                | 23.1 | ---- | 33.3    | 35.6 | ---- | 33.3     | 41.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.6  | ---- | 0.0     | 1.2  | ---- | 0.0      | 1.7  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MADELIA COMMUNITY HOSPITAL

Medicare Provider Number: 240129

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.1 years  
Proportion female..... 58.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 63.5 %  
Transferred from skilled nursing facility..... 2.4 %  
Admitted for elective procedure..... 1.2 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 5.4 %  
Chronic cardiovascular disease..... 42.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 12.0 %  
Cerebrovascular degeneration..... 6.6 %  
Diabetes mellitus..... 7.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 55.1%  
State ..... 42.6%  
Outside State ..... 2.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.6 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 25  
Occupancy Rate ..... 24.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 67.9 %  
Case Mix Index (CMI) ..... 0.9618

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses ..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

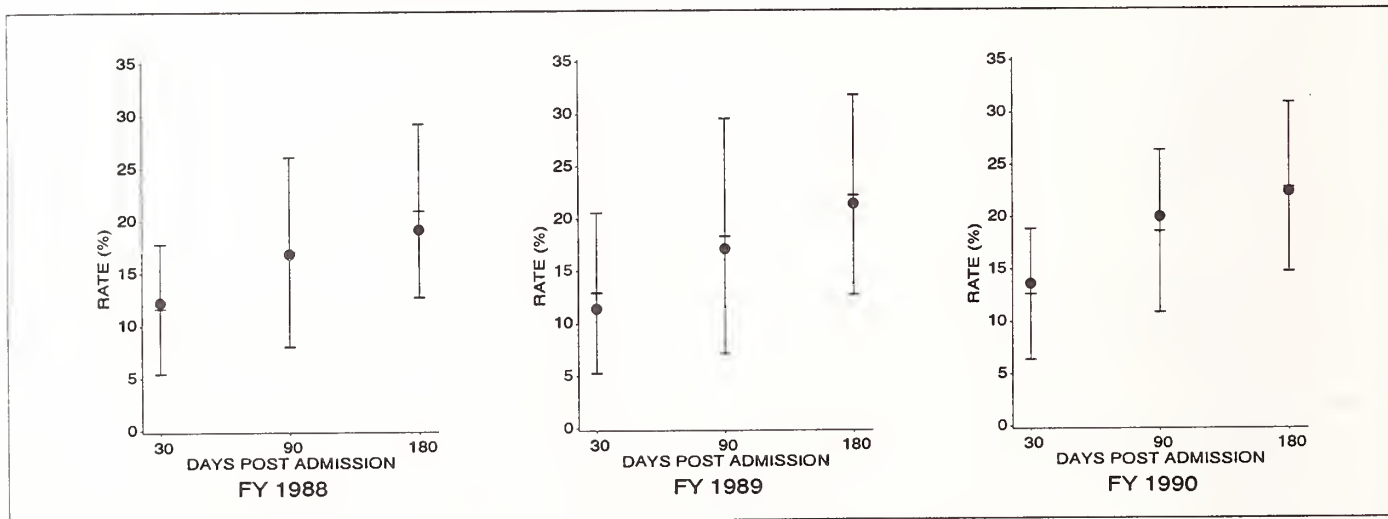
**MADISON HOSPITAL**  
820 THIRD AVENUE  
MADISON, MN 56256  
Medicare Provider Number: 240143

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 125                | 13.6                | 12.6 | 3.1  | 20.0    | 18.6 | 3.9  | 22.4     | 22.8 | 4.1  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 8                  | 50.0                | 33.7 | ---- | 50.0    | 36.9 | ---- | 50.0     | 39.8 | ---- |
| Congestive Heart Failure.....              | 10                 | 20.0                | 24.5 | ---- | 30.0    | 35.7 | ---- | 40.0     | 42.1 | ---- |
| Pneumonia/Influenza.....                   | 10                 | 20.0                | 18.8 | ---- | 30.0    | 26.1 | ---- | 30.0     | 30.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 15.6 | ---- | 50.0    | 26.8 | ---- | 50.0     | 32.6 | ---- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Fracture.....                          | 8                  | 12.5                | 6.6  | ---- | 12.5    | 12.5 | ---- | 12.5     | 16.8 | ---- |
| Sepsis.....                                | 2                  | 50.0                | 50.9 | ---- | 100.0   | 59.1 | ---- | 100.0    | 64.7 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 5                  | 20.0                | 8.0  | ---- | 20.0    | 15.8 | ---- | 20.0     | 21.5 | ---- |
| Open Reduction of Hip Fracture.....        | 3                  | 0.0                 | 3.0  | ---- | 0.0     | 5.4  | ---- | 0.0      | 7.6  | ---- |
| Prostatectomy.....                         | 4                  | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.6  | ---- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 1.2  | ---- | 0.0     | 2.0  | ---- | 0.0      | 2.9  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**MADISON HOSPITAL**  
Medicare Provider Number: 240143

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 79.9 years  
Proportion female..... 54.4 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 45.6 %  
Transferred from skilled nursing facility..... 27.2 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 97.6 %

**COMORBIDITIES:**

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 20.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.2 %  
Chronic pulmonary disease..... 6.4 %  
Cerebrovascular degeneration..... 11.2 %  
Diabetes mellitus..... 4.8 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 90.2%  
State ..... 5.8%  
Outside State ..... 4.0%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 3.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 21  
Occupancy Rate ..... 19.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 63.9 %  
Case Mix Index (CMI) ..... 1.0445

**STAFFING:**

Total Number of Physicians..... 1  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses..... 4

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MAHNOMEN COUNTY AND VILLAGE HOSPITAL

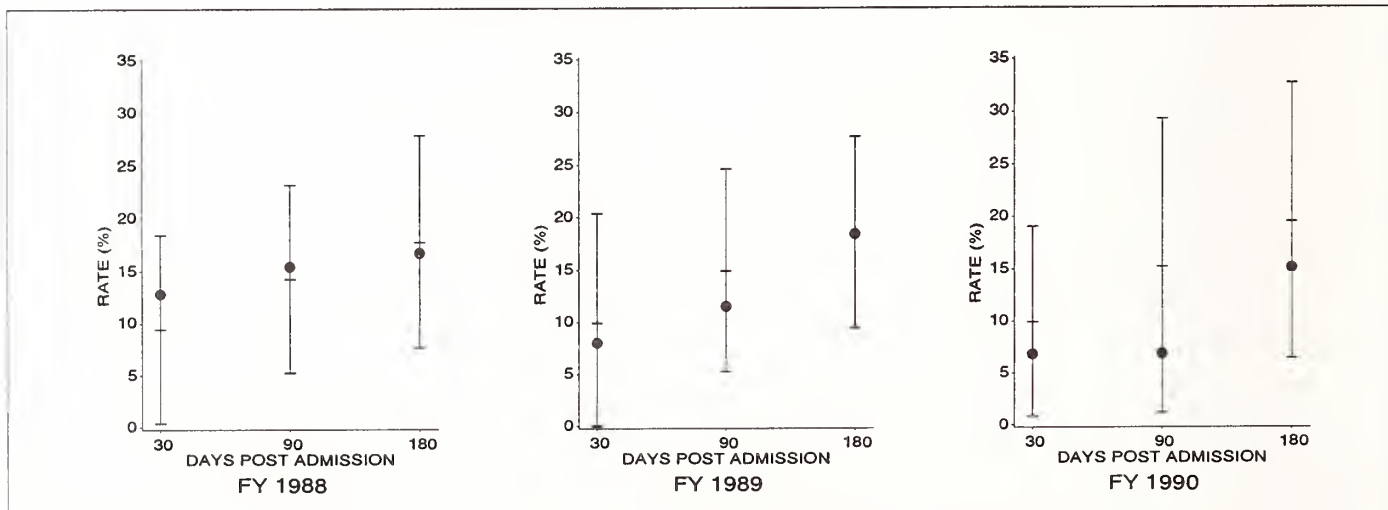
414 WEST JEFFERSON  
MAHNOMEN, MN 56557  
Medicare Provider Number: 240148

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 73              | 6.8                 | 9.9  | 4.6   | 6.8     | 15.2 | 7.0   | 15.1     | 19.5 | 6.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5               | 20.0                | 33.5 | ----- | 20.0    | 36.9 | ----- | 20.0     | 41.3 | ----- |
| Congestive Heart Failure.....              | 6               | 0.0                 | 11.7 | ----- | 0.0     | 18.5 | ----- | 16.7     | 24.8 | ----- |
| Pneumonia/Influenza.....                   | 9               | 0.0                 | 10.5 | ----- | 0.0     | 15.2 | ----- | 0.0      | 18.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 100.0               | 11.3 | ----- | 100.0   | 19.0 | ----- | 100.0    | 25.5 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 0.7  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.3  | ----- |
| Stroke.....                                | 1               | 0.0                 | 18.2 | ----- | 0.0     | 24.6 | ----- | 0.0      | 28.1 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 2.8  | ----- | 0.0     | 5.2  | ----- | 0.0      | 6.8  | ----- |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 4               | 0.0                 | 1.2  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.6  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MAHNOMEN COUNTY AND VILLAGE HOSPITAL

Medicare Provider Number: 240148

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.3 years  
Proportion female..... 57.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 54.8 %  
Transferred from skilled nursing facility..... 4.1 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 1.4 %

### COMORBIDITIES:

Cancer..... 9.6 %  
Chronic cardiovascular disease..... 23.3 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 4.1 %  
Chronic pulmonary disease..... 9.6 %  
Cerebrovascular degeneration..... 1.4 %  
Diabetes mellitus..... 15.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.0%  
State ..... 26.0%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 18  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 0.9919

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 4  
Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEEKER COUNTY MEMORIAL HOSPITAL

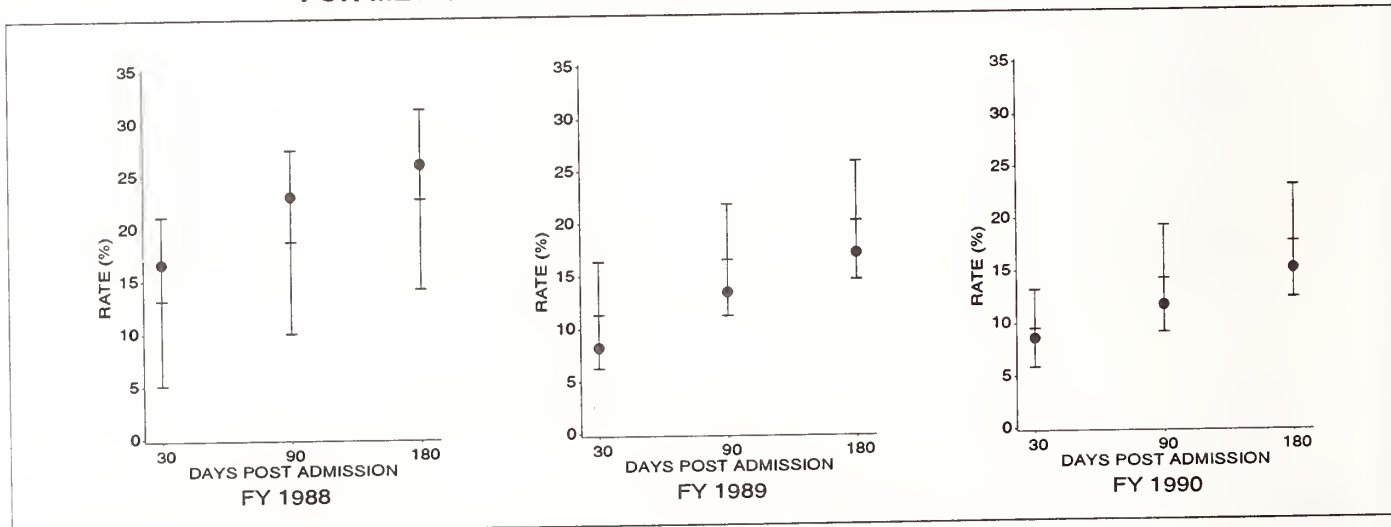
612 SOUTH SIBLEY AVE  
LITCHFIELD, MN 55355  
Medicare Provider Number: 240133

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 384             | 8.6                 | 9.5  | 1.8  | 11.7    | 14.2 | 2.5  | 15.1     | 17.7 | 2.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 13              | 7.7                 | 30.5 | ---- | 7.7     | 33.0 | ---- | 7.7      | 35.7 | ---- |
| Congestive Heart Failure.....              | 21              | 14.3                | 13.0 | ---- | 19.0    | 20.3 | ---- | 19.0     | 26.2 | ---- |
| Pneumonia/Influenza.....                   | 25              | 4.0                 | 13.3 | ---- | 8.0     | 17.9 | ---- | 8.0      | 21.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 0.0                 | 6.1  | ---- | 0.0     | 11.7 | ---- | 0.0      | 16.3 | ---- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 2.9  | ---- | 0.0     | 6.3  | ---- | 0.0      | 9.9  | ---- |
| Stroke.....                                | 12              | 16.7                | 25.8 | ---- | 16.7    | 33.3 | ---- | 33.3     | 37.7 | ---- |
| Hip Fracture.....                          | 11              | 9.1                 | 4.9  | ---- | 9.1     | 9.1  | ---- | 9.1      | 12.1 | ---- |
| Sepsis.....                                | 10              | 0.0                 | 16.4 | ---- | 0.0     | 22.1 | ---- | 10.0     | 25.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 1.1  | ---- | 0.0     | 2.6  | ---- | 0.0      | 4.1  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 9               | 0.0                 | 4.5  | ---- | 0.0     | 8.6  | ---- | 0.0      | 11.7 | ---- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 5.4  | ---- | 0.0     | 9.7  | ---- | 0.0      | 12.7 | ---- |
| Prostatectomy.....                         | 12              | 8.3                 | 0.6  | ---- | 8.3     | 1.5  | ---- | 8.3      | 2.6  | ---- |
| Cholecystectomy.....                       | 12              | 0.0                 | 3.4  | ---- | 0.0     | 5.5  | ---- | 0.0      | 6.5  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.2  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEEKER COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 240133

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.9 years  
Proportion female..... 54.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.6 %  
Transferred from skilled nursing facility..... 1.3 %  
Admitted for elective procedure..... 12.0 %  
Admitted for emergency..... 49.5 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 30.5 %  
Chronic liver disease..... 1.3 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 11.2 %  
Cerebrovascular degeneration..... 3.1 %  
Diabetes mellitus..... 13.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.5%  
State ..... 25.0%  
Outside State ..... 0.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.9 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 38  
Occupancy Rate ..... 36.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 47.7 %  
Case Mix Index (CMI) ..... 1.1397

### STAFFING:

Total Number of Physicians..... 9  
Percent of Physicians Board  
Certified Specialists..... 88.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 23  
Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

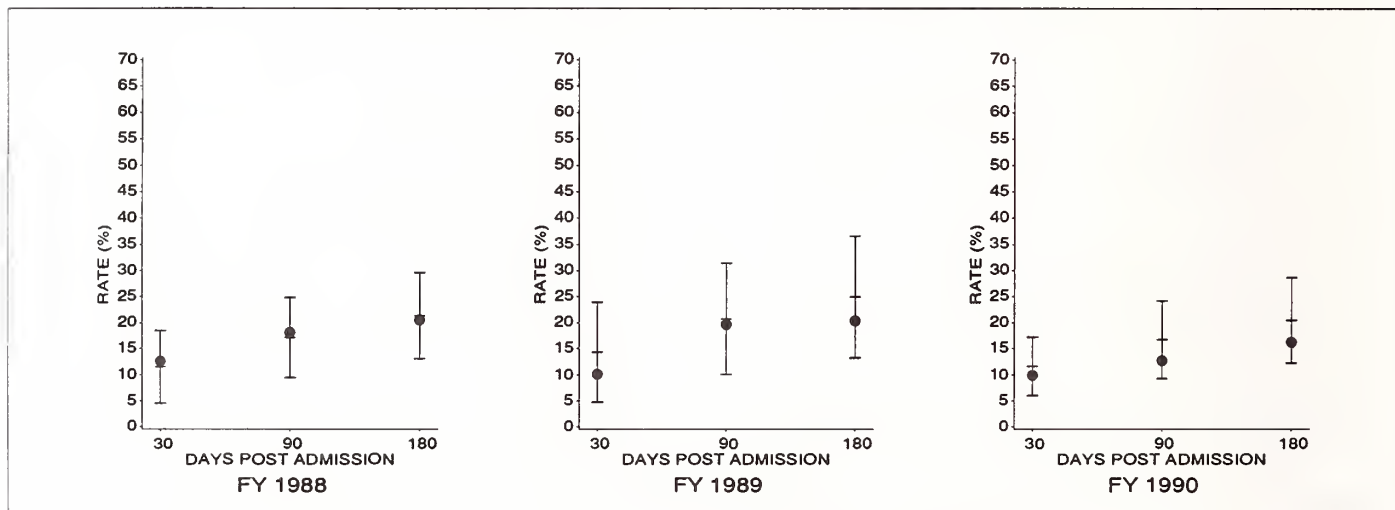
**MELROSE HOSPITAL**  
 11 N 5TH AVE W  
 MELROSE, MN 56352  
 Medicare Provider Number: 240110

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 142                | 9.9                 | 11.6 | 2.8   | 12.7    | 16.7 | 3.7   | 16.2     | 20.4 | 4.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7                  | 0.0                 | 22.9 | ----- | 14.3    | 28.3 | ----- | 28.6     | 31.6 | ----- |
| Congestive Heart Failure.....              | 10                 | 20.0                | 15.5 | ----- | 20.0    | 24.2 | ----- | 30.0     | 30.8 | ----- |
| Pneumonia/Influenza.....                   | 20                 | 30.0                | 19.1 | ----- | 30.0    | 26.1 | ----- | 35.0     | 30.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 3.6  | ----- | 0.0     | 7.1  | ----- | 0.0      | 11.3 | ----- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.4  | ----- |
| Stroke.....                                | 8                  | 12.5                | 19.8 | ----- | 25.0    | 26.2 | ----- | 25.0     | 30.0 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 23.7 | ----- | 0.0     | 27.7 | ----- | 0.0      | 32.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 4                  | 0.0                 | 1.0  | ----- | 0.0     | 2.4  | ----- | 0.0      | 4.4  | ----- |
| Cholecystectomy.....                       | 3                  | 0.0                 | 3.4  | ----- | 0.0     | 7.2  | ----- | 0.0      | 10.0 | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**MELROSE HOSPITAL**  
Medicare Provider Number: 240110

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 78.4 years  
Proportion female..... 50.0 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 54.9 %  
Transferred from skilled nursing facility..... 7.7 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

**COMORBIDITIES:**

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 49.3 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.7 %  
Chronic pulmonary disease..... 12.7 %  
Cerebrovascular degeneration..... 0.7 %  
Diabetes mellitus..... 4.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 84.0%  
State..... 15.1%  
Outside State..... 0.9%  
Total..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital..... 5.3 Days  
State..... 6.6 Days  
National..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds..... 103  
Occupancy Rate..... 76.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... 57.0 %  
Case Mix Index (CMI)..... 1.0735

**STAFFING:**

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses..... 10

**SPECIALTY SERVICES:**

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL HOSPITAL

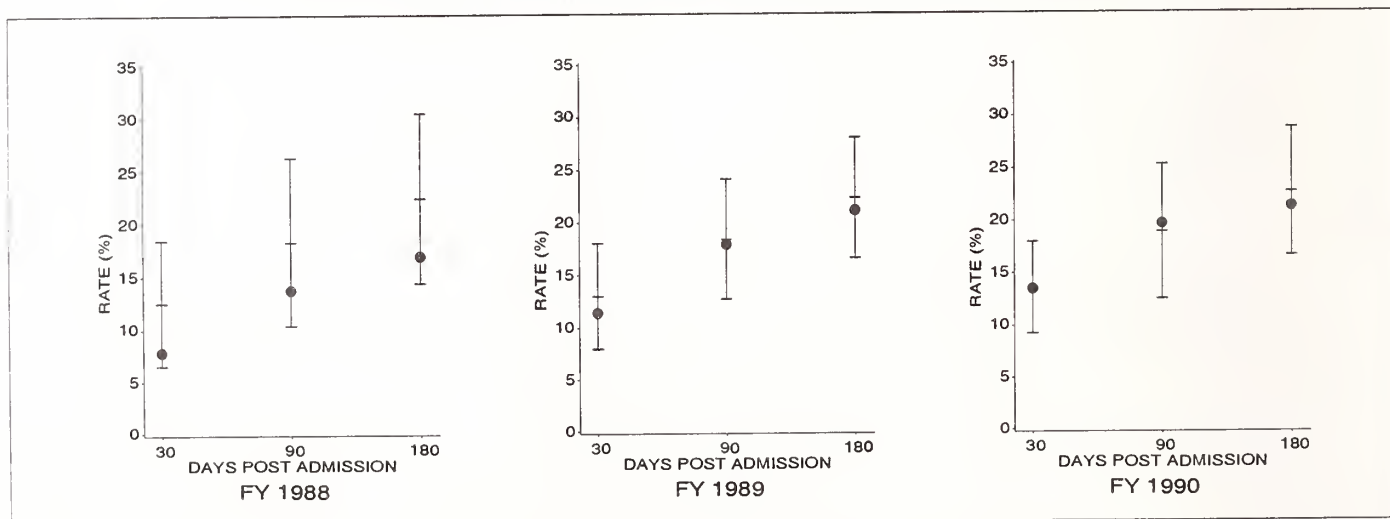
665 3RD ST SW  
PERHAM, MN 56573  
Medicare Provider Number: 240103

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 244             | 13.5                | 13.6 | 2.2   | 19.7    | 18.9 | 3.2   | 21.3     | 22.7 | 3.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19              | 21.1                | 31.4 | ----- | 31.6    | 33.6 | ----- | 31.6     | 36.3 | ----- |
| Congestive Heart Failure.....              | 16              | 18.8                | 15.0 | ----- | 43.8    | 22.1 | ----- | 43.8     | 28.2 | ----- |
| Pneumonia/Influenza.....                   | 31              | 25.8                | 19.8 | ----- | 32.3    | 26.4 | ----- | 35.5     | 30.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 5.5  | ----- | 0.0     | 9.3  | ----- | 0.0      | 12.2 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 3               | 0.0                 | 25.6 | ----- | 0.0     | 33.5 | ----- | 33.3     | 38.1 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 4.3  | ----- | 0.0     | 7.3  | ----- | 0.0      | 9.2  | ----- |
| Sepsis.....                                | 3               | 33.3                | 24.4 | ----- | 33.3    | 32.4 | ----- | 33.3     | 35.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 4.0  | ----- | 0.0     | 7.0  | ----- | 0.0      | 8.9  | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 5               | 0.0                 | 0.9  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.2  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEMORIAL HOSPITAL

Medicare Provider Number: 240103

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.3 years  
Proportion female..... 52.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 40.2 %  
Transferred from skilled nursing facility..... 4.5 %  
Admitted for elective procedure..... 9.8 %  
Admitted for emergency..... 55.7 %

### COMORBIDITIES:

Cancer..... 7.4 %  
Chronic cardiovascular disease..... 49.6 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 14.3 %  
Cerebrovascular degeneration..... 5.7 %  
Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 75.5%  
State..... 19.5%  
Outside State..... 5.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.5 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 131  
Occupancy Rate..... 83.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 43.2 %  
Case Mix Index (CMI)..... 1.1304

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 75.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 16  
Licensed Practical Nurses..... 9

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL HOSPITAL ASSOCIATION INC

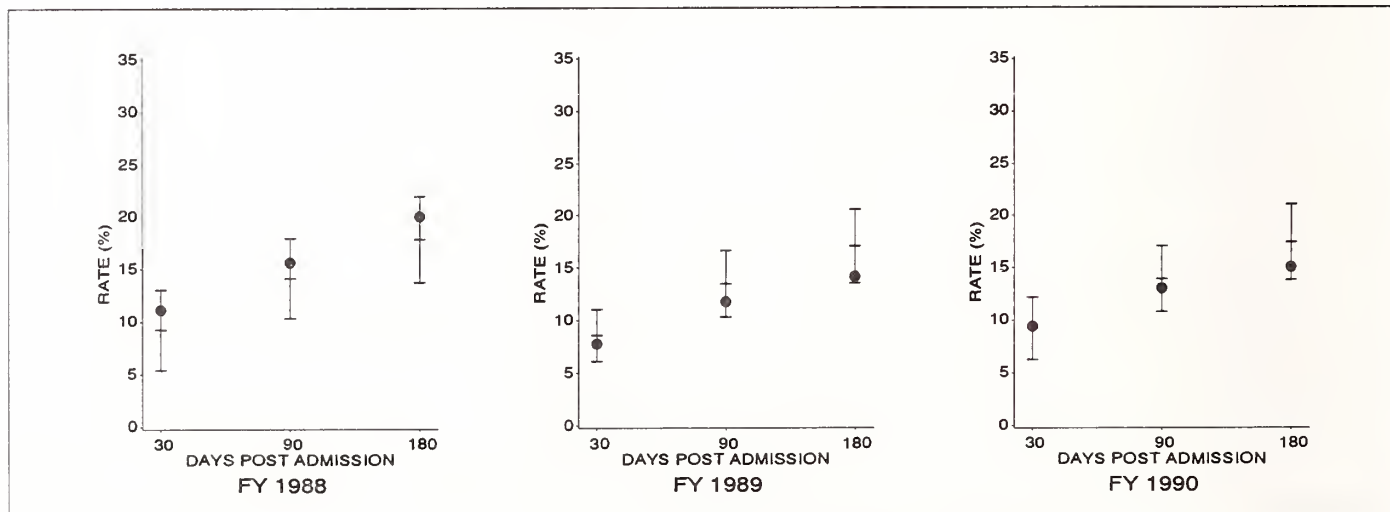
725 SOUTH DELLWOOD  
CAMBRIDGE, MN 55008  
Medicare Provider Number: 240020

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 694             | 9.4                 | 9.2  | 1.5   | 13.0    | 13.9 | 1.6   | 15.0     | 17.4 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 23              | 21.7                | 26.6 | ----- | 26.1    | 29.4 | ----- | 30.4     | 32.2 | ----- |
| Congestive Heart Failure.....              | 42              | 14.3                | 13.2 | ----- | 23.8    | 21.1 | ----- | 23.8     | 27.5 | ----- |
| Pneumonia/Influenza.....                   | 55              | 16.4                | 14.9 | 4.9   | 20.0    | 20.2 | 5.8   | 20.0     | 24.0 | 6.5   |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 7.0  | ----- | 0.0     | 11.9 | ----- | 0.0      | 15.4 | ----- |
| Transient Cerebral Ischemia.....           | 13              | 0.0                 | 1.6  | ----- | 0.0     | 3.8  | ----- | 0.0      | 6.3  | ----- |
| Stroke.....                                | 29              | 20.7                | 18.8 | ----- | 24.1    | 25.1 | ----- | 24.1     | 29.2 | ----- |
| Hip Fracture.....                          | 30              | 6.7                 | 6.9  | ----- | 6.7     | 12.2 | ----- | 10.0     | 15.7 | ----- |
| Sepsis.....                                | 3               | 0.0                 | 24.3 | ----- | 0.0     | 27.8 | ----- | 0.0      | 31.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 9.7  | ----- | 50.0    | 17.5 | ----- | 50.0     | 24.7 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 13              | 0.0                 | 2.4  | ----- | 0.0     | 4.7  | ----- | 0.0      | 6.6  | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 3.7  | ----- | 0.0     | 6.4  | ----- | 0.0      | 8.5  | ----- |
| Prostatectomy.....                         | 31              | 0.0                 | 0.9  | ----- | 0.0     | 2.0  | ----- | 3.2      | 3.5  | ----- |
| Cholecystectomy.....                       | 19              | 10.5                | 4.7  | ----- | 10.5    | 9.3  | ----- | 15.8     | 12.9 | ----- |
| Hysterectomy.....                          | 13              | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEMORIAL HOSPITAL ASSOCIATION INC

Medicare Provider Number: 240020

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.9 years  
Proportion female..... 61.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.1 %  
Transferred from skilled nursing facility..... 1.7 %  
Admitted for elective procedure..... 16.0 %  
Admitted for emergency..... 7.1 %

### COMORBIDITIES:

Cancer..... 6.5 %  
Chronic cardiovascular disease..... 34.3 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 8.9 %  
Cerebrovascular degeneration..... 7.1 %  
Diabetes mellitus..... 7.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 56.5%  
State ..... 41.7%  
Outside State ..... 1.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 86  
Occupancy Rate ..... 48.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 36.0 %  
Case Mix Index (CMI) ..... 1.1894

### STAFFING:

Total Number of Physicians..... 19  
Percent of Physicians Board  
Certified Specialists ..... 84.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 74  
Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

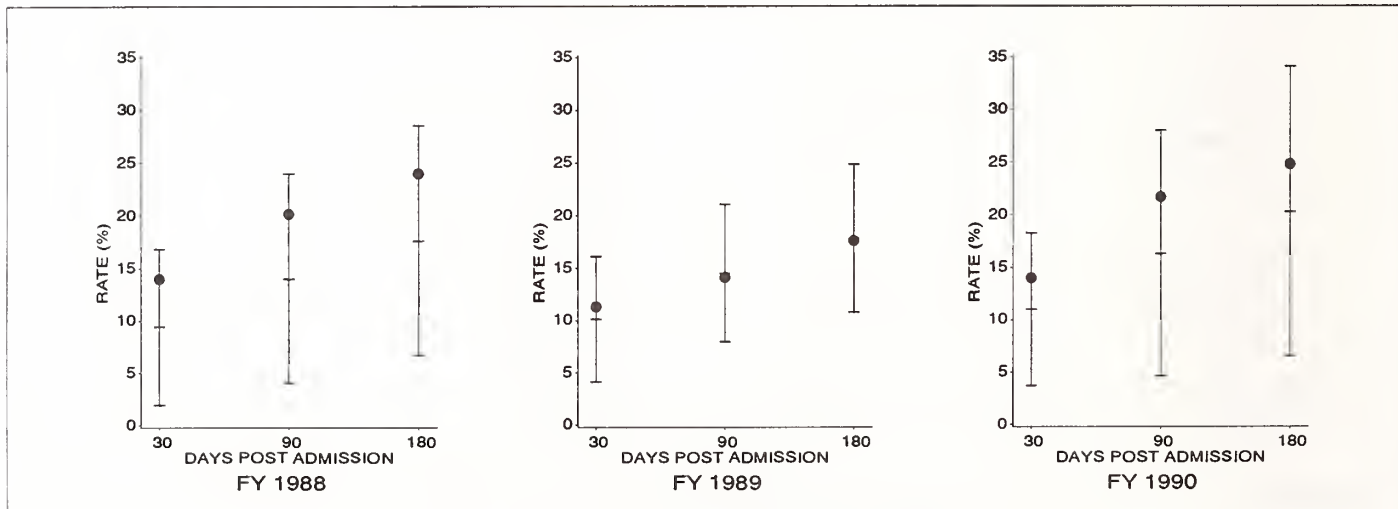
**MERCY HOSPITAL**  
 710 S KENWOOD AVE, BOX 526  
 MOOSE LAKE, MN 55767  
 Medicare Provider Number: 240121

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 129                | 14.0                | 11.0 | 3.7  | 21.7    | 16.3 | 5.9  | 24.8     | 20.3 | 6.9  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 4                  | 0.0                 | 17.9 | ---- | 25.0    | 20.9 | ---- | 25.0     | 24.4 | ---- |
| Congestive Heart Failure.....              | 11                 | 18.2                | 15.3 | ---- | 27.3    | 23.2 | ---- | 27.3     | 28.8 | ---- |
| Pneumonia/Influenza.....                   | 11                 | 9.1                 | 16.1 | ---- | 9.1     | 22.4 | ---- | 27.3     | 26.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 5.4  | ---- | 0.0     | 9.6  | ---- | 0.0      | 13.4 | ---- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.9  | ---- |
| Stroke.....                                | 7                  | 28.6                | 15.7 | ---- | 42.9    | 20.8 | ---- | 42.9     | 25.2 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 2                  | 0.0                 | 20.4 | ---- | 0.0     | 29.1 | ---- | 50.0     | 33.3 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**MERCY HOSPITAL**  
Medicare Provider Number: 240121

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 76.8 years  
Proportion female..... 56.9 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 55.4 %  
Transferred from skilled nursing facility..... 10.8 %  
Admitted for elective procedure..... 0.8 %  
Admitted for emergency..... 0.0 %

**COMORBIDITIES:**

Cancer..... 6.9 %  
Chronic cardiovascular disease..... 50.8 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 14.6 %  
Cerebrovascular degeneration..... 5.4 %  
Diabetes mellitus..... 4.6 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 46.2%  
State ..... 49.7%  
Outside State ..... 4.1%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 4.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 135  
Occupancy Rate ..... 75.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 29.5 %  
Case Mix Index (CMI) ..... 0.9451

**STAFFING:**

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 14  
Licensed Practical Nurses ..... 2

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MESABI REGIONAL MEDICAL CENTER

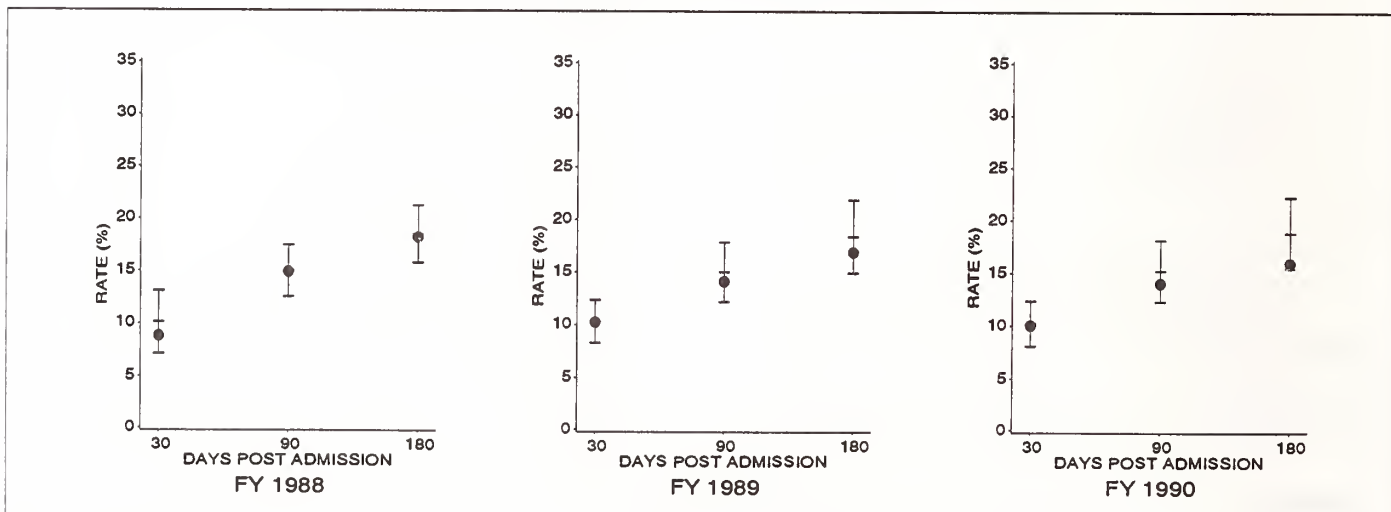
750 EAST 34TH ST  
HIBBING, MN 55746  
Medicare Provider Number: 240040

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 958                | 10.0                | 10.2 | 1.1   | 14.0    | 15.2 | 1.5   | 15.9     | 18.8 | 1.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 33                 | 33.3                | 28.6 | ----- | 33.3    | 31.4 | ----- | 39.4     | 34.0 | ----- |
| Congestive Heart Failure.....              | 46                 | 8.7                 | 15.5 | ----- | 17.4    | 24.4 | ----- | 19.6     | 30.7 | ----- |
| Pneumonia/Influenza.....                   | 47                 | 17.0                | 13.1 | ----- | 17.0    | 18.1 | ----- | 21.3     | 21.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 18                 | 11.1                | 10.4 | ----- | 11.1    | 18.3 | ----- | 11.1     | 23.3 | ----- |
| Transient Cerebral Ischemia.....           | 15                 | 0.0                 | 2.8  | ----- | 0.0     | 6.4  | ----- | 6.7      | 10.3 | ----- |
| Stroke.....                                | 34                 | 17.6                | 24.7 | ----- | 20.6    | 31.4 | ----- | 23.5     | 35.5 | ----- |
| Hip Fracture.....                          | 22                 | 13.6                | 6.7  | ----- | 18.2    | 11.7 | ----- | 18.2     | 14.9 | ----- |
| Sepsis.....                                | 25                 | 20.0                | 26.7 | ----- | 24.0    | 33.3 | ----- | 24.0     | 37.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 1.2  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.9  | ----- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 1.1  | ----- | 0.0     | 2.0  | ----- | 0.0      | 2.9  | ----- |
| Hip Replacement/Reconstruction.....        | 9                  | 11.1                | 4.6  | ----- | 11.1    | 7.7  | ----- | 11.1     | 9.9  | ----- |
| Open Reduction of Hip Fracture.....        | 10                 | 20.0                | 6.6  | ----- | 30.0    | 12.4 | ----- | 30.0     | 16.1 | ----- |
| Prostatectomy.....                         | 9                  | 0.0                 | 0.9  | ----- | 0.0     | 1.8  | ----- | 11.1     | 2.9  | ----- |
| Cholecystectomy.....                       | 21                 | 0.0                 | 3.7  | ----- | 0.0     | 6.6  | ----- | 0.0      | 8.6  | ----- |
| Hysterectomy.....                          | 10                 | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 10.0     | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MESABI REGIONAL MEDICAL CENTER

Medicare Provider Number: 240040

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.5 years  
Proportion female..... 56.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.2 %  
Transferred from skilled nursing facility..... 9.6 %  
Admitted for elective procedure..... 8.0 %  
Admitted for emergency..... 11.1 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 39.5 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 4.5 %  
Chronic pulmonary disease..... 16.0 %  
Cerebrovascular degeneration..... 6.3 %  
Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 84.2%  
State ..... 14.7%  
Outside State ..... 1.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.6 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 175  
Occupancy Rate ..... 40.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 40.0 %  
Case Mix Index (CMI) ..... 1.2253

### STAFFING:

Total Number of Physicians..... 34  
Percent of Physicians Board  
Certified Specialists..... 79.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 77  
Licensed Practical Nurses ..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# METHODIST HOSPITAL

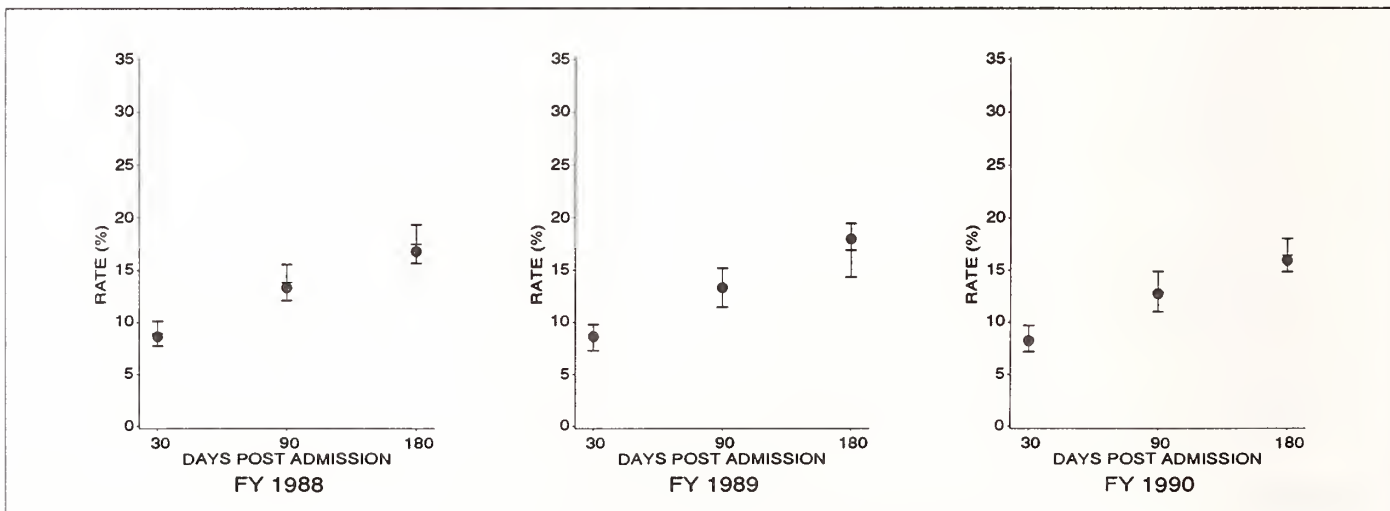
6500 EXCELSIOR BLVD  
ST LOUIS PARK, MN 55426  
Medicare Provider Number: 240053

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3158            | 8.2                 | 8.4  | 0.6  | 12.7    | 12.9 | 1.0  | 15.9     | 16.4 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 70              | 18.6                | 25.8 | 9.2  | 27.1    | 29.1 | 8.5  | 31.4     | 31.9 | 6.9  |
| Congestive Heart Failure.....              | 136             | 14.0                | 13.7 | 4.2  | 22.1    | 21.7 | 3.6  | 25.7     | 27.8 | 4.3  |
| Pneumonia/Influenza.....                   | 143             | 17.5                | 15.5 | 3.7  | 24.5    | 21.0 | 4.4  | 30.1     | 25.0 | 5.4  |
| Chronic Obstructive Pulmonary Disease..... | 37              | 13.5                | 8.6  | ---- | 18.9    | 14.2 | ---- | 27.0     | 18.6 | ---- |
| Transient Cerebral Ischemia.....           | 37              | 5.4                 | 1.8  | ---- | 5.4     | 4.1  | ---- | 8.1      | 6.8  | ---- |
| Stroke.....                                | 119             | 22.7                | 21.1 | 3.9  | 27.7    | 27.2 | 4.1  | 29.4     | 31.1 | 4.4  |
| Hip Fracture.....                          | 76              | 5.3                 | 6.2  | 2.9  | 6.6     | 11.2 | 4.4  | 6.6      | 14.8 | 5.5  |
| Sepsis.....                                | 34              | 17.6                | 25.7 | ---- | 23.5    | 32.5 | ---- | 23.5     | 36.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 23              | 8.7                 | 3.2  | ---- | 13.0    | 4.0  | ---- | 13.0     | 4.8  | ---- |
| Coronary Artery Bypass Graft.....          | 69              | 1.4                 | 4.7  | 3.8  | 1.4     | 6.5  | 4.7  | 2.9      | 7.3  | 4.5  |
| Initial Pacemaker Insertion.....           | 36              | 0.0                 | 1.7  | ---- | 0.0     | 3.5  | ---- | 2.8      | 5.5  | ---- |
| Carotid Endarterectomy.....                | 13              | 0.0                 | 1.8  | ---- | 0.0     | 3.4  | ---- | 0.0      | 5.2  | ---- |
| Hip Replacement/Reconstruction.....        | 70              | 2.9                 | 2.0  | 2.7  | 5.7     | 3.8  | 3.5  | 5.7      | 5.4  | 3.4  |
| Open Reduction of Hip Fracture.....        | 28              | 3.6                 | 4.5  | ---- | 3.6     | 8.7  | ---- | 3.6      | 12.0 | ---- |
| Prostatectomy.....                         | 81              | 0.0                 | 0.6  | 2.4  | 2.5     | 1.6  | 2.1  | 2.5      | 2.8  | 3.3  |
| Cholecystectomy.....                       | 56              | 1.8                 | 3.2  | 2.5  | 7.1     | 5.5  | 3.5  | 10.7     | 7.3  | 4.0  |
| Hysterectomy.....                          | 35              | 0.0                 | 0.2  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# METHODIST HOSPITAL

Medicare Provider Number: 240053

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.7 years  
Proportion female..... 56.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.7 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 39.7 %  
Admitted for emergency..... 46.7 %

### COMORBIDITIES:

Cancer..... 9.3 %  
Chronic cardiovascular disease..... 38.7 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 4.0 %  
Chronic pulmonary disease..... 12.9 %  
Cerebrovascular degeneration..... 5.4 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.8%  
State ..... 19.3%  
Outside State ..... 4.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.6 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 393  
Occupancy Rate ..... 68.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 22.3 %  
Case Mix Index (CMI) ..... 1.4126

### STAFFING:

Total Number of Physicians..... 319  
Percent of Physicians Board  
Certified Specialists ..... 95.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 434  
Licensed Practical Nurses..... 52

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# METROPOLITAN MT SINAI MEDICAL CENTER

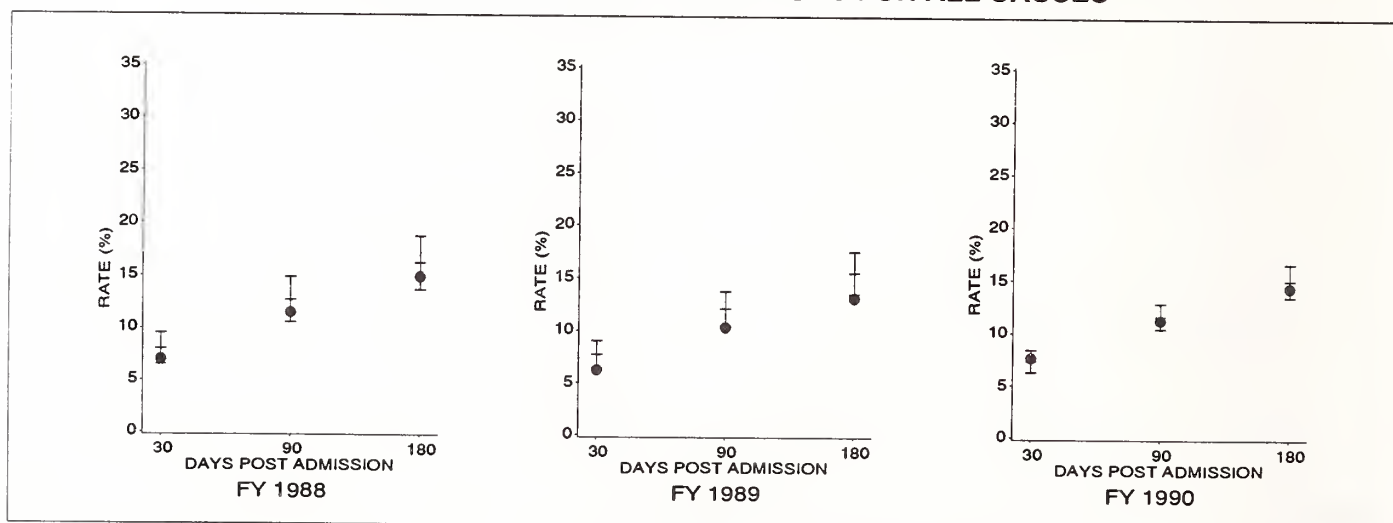
900 S 8TH ST  
MINNEAPOLIS, MN 55404  
Medicare Provider Number: 240196

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3311            | 7.6                 | 7.3  | 0.5   | 11.2    | 11.6 | 0.6   | 14.3     | 15.0 | 0.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 55              | 25.5                | 30.0 | 12.6  | 29.1    | 33.3 | 11.9  | 34.5     | 36.5 | 10.2  |
| Congestive Heart Failure.....              | 157             | 17.8                | 15.6 | 3.5   | 26.1    | 24.6 | 4.1   | 33.1     | 31.0 | 4.1   |
| Pneumonia/Influenza.....                   | 115             | 16.5                | 16.9 | 4.9   | 20.0    | 23.3 | 5.0   | 23.5     | 27.6 | 5.5   |
| Chronic Obstructive Pulmonary Disease..... | 25              | 8.0                 | 6.3  | ----- | 12.0    | 11.4 | ----- | 16.0     | 15.6 | ----- |
| Transient Cerebral Ischemia.....           | 44              | 2.3                 | 1.6  | ----- | 6.8     | 3.7  | ----- | 6.8      | 6.0  | ----- |
| Stroke.....                                | 108             | 26.9                | 21.5 | 7.6   | 31.5    | 28.1 | 8.7   | 36.1     | 32.3 | 7.3   |
| Hip Fracture.....                          | 93              | 4.3                 | 6.8  | 3.6   | 12.9    | 12.0 | 3.8   | 16.1     | 16.0 | 4.2   |
| Sepsis.....                                | 26              | 30.8                | 21.1 | ----- | 34.6    | 28.8 | ----- | 34.6     | 33.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 59              | 3.4                 | 3.5  | 2.4   | 3.4     | 4.7  | 3.2   | 3.4      | 6.1  | 4.8   |
| Coronary Artery Bypass Graft.....          | 35              | 5.7                 | 4.9  | ----- | 11.4    | 7.0  | ----- | 14.3     | 8.1  | ----- |
| Initial Pacemaker Insertion.....           | 21              | 0.0                 | 3.3  | ----- | 4.8     | 6.2  | ----- | 4.8      | 8.7  | ----- |
| Carotid Endarterectomy.....                | 18              | 0.0                 | 1.6  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.5  | ----- |
| Hip Replacement/Reconstruction.....        | 94              | 3.2                 | 1.9  | 2.1   | 4.3     | 3.7  | 2.3   | 5.3      | 5.1  | 2.3   |
| Open Reduction of Hip Fracture.....        | 53              | 1.9                 | 6.2  | 4.9   | 11.3    | 11.1 | 5.6   | 15.1     | 15.1 | 5.7   |
| Prostatectomy.....                         | 91              | 1.1                 | 0.8  | 1.4   | 3.3     | 2.0  | 2.1   | 5.5      | 3.5  | 2.7   |
| Cholecystectomy.....                       | 40              | 0.0                 | 1.9  | ----- | 2.5     | 3.8  | ----- | 5.0      | 5.4  | ----- |
| Hysterectomy.....                          | 22              | 0.0                 | 0.5  | ----- | 9.1     | 1.2  | ----- | 9.1      | 2.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# METROPOLITAN MT SINAI MEDICAL CENTER

Medicare Provider Number: 240196

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.1 years  
Proportion female..... 62.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 53.0 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 38.8 %  
Admitted for emergency..... 11.8 %

### COMORBIDITIES:

Cancer..... 7.8 %  
Chronic cardiovascular disease..... 33.2 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 4.9 %  
Chronic pulmonary disease..... 11.0 %  
Cerebrovascular degeneration..... 6.3 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.4%  
State ..... 21.3%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1984

### PROFILE:

Total Beds ..... 280  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.3160

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 444  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

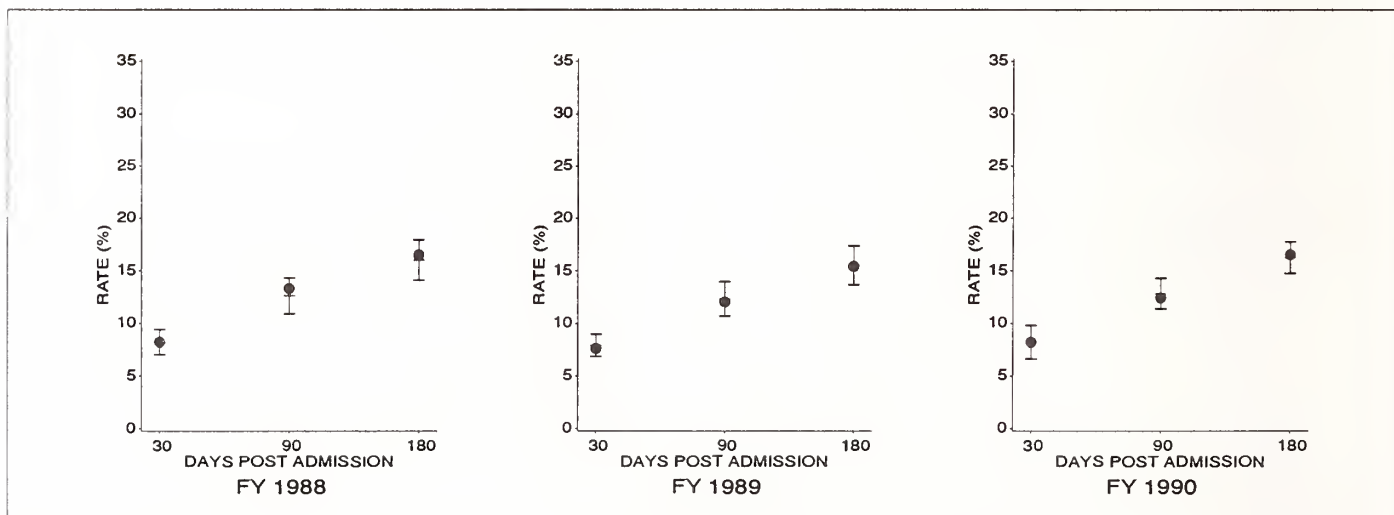
**MIDWAY HOSPITAL**  
1700 UNIVERSITY AVENUE  
ST PAUL, MN 55104  
Medicare Provider Number: 240048

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2687            | 8.2                 | 8.2  | 0.8  | 12.4    | 12.8 | 0.7  | 16.5     | 16.2 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 75              | 25.3                | 23.8 | 5.1  | 26.7    | 27.2 | 5.3  | 30.7     | 30.2 | 6.0  |
| Congestive Heart Failure.....              | 123             | 11.4                | 13.7 | 4.8  | 20.3    | 21.6 | 4.0  | 29.3     | 27.8 | 4.5  |
| Pneumonia/Influenza.....                   | 109             | 18.3                | 17.2 | 3.8  | 22.9    | 23.6 | 4.1  | 29.4     | 27.8 | 4.5  |
| Chronic Obstructive Pulmonary Disease..... | 26              | 3.8                 | 8.8  | ---- | 7.7     | 14.8 | ---- | 11.5     | 19.5 | ---- |
| Transient Cerebral Ischemia.....           | 39              | 2.6                 | 1.8  | ---- | 2.6     | 4.0  | ---- | 7.7      | 6.6  | ---- |
| Stroke.....                                | 107             | 16.8                | 19.2 | 5.0  | 26.2    | 26.2 | 4.4  | 29.9     | 30.4 | 4.7  |
| Hip Fracture.....                          | 96              | 7.3                 | 6.4  | 2.6  | 11.5    | 11.3 | 3.3  | 17.7     | 15.0 | 4.3  |
| Sepsis.....                                | 18              | 16.7                | 22.4 | ---- | 22.2    | 31.3 | ---- | 33.3     | 35.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 4.5  | ---- | 7.7     | 8.9  | ---- | 23.1     | 13.2 | ---- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 0.7  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.0  | ---- |
| Hip Replacement/Reconstruction.....        | 94              | 1.1                 | 2.0  | 2.2  | 2.1     | 3.8  | 2.8  | 5.3      | 5.1  | 2.8  |
| Open Reduction of Hip Fracture.....        | 56              | 8.9                 | 6.5  | 5.5  | 12.5    | 11.8 | 5.2  | 17.9     | 15.8 | 5.2  |
| Prostatectomy.....                         | 80              | 0.0                 | 1.0  | 1.4  | 1.2     | 2.2  | 1.8  | 1.2      | 3.8  | 3.1  |
| Cholecystectomy.....                       | 71              | 7.0                 | 2.5  | 3.6  | 8.5     | 5.2  | 4.2  | 12.7     | 7.6  | 4.7  |
| Hysterectomy.....                          | 26              | 7.7                 | 1.2  | ---- | 11.5    | 2.6  | ---- | 11.5     | 4.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# MIDWAY HOSPITAL

Medicare Provider Number: 240048

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.4 years  
Proportion female..... 59.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.6 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 30.0 %  
Admitted for emergency..... 49.3 %

### COMORBIDITIES:

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 31.8 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 10.7 %  
Cerebrovascular degeneration..... 5.8 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 78.4%  
State ..... 19.2%  
Outside State ..... 2.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 201  
Occupancy Rate ..... 70.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 29.9 %  
Case Mix Index (CMI) ..... 1.2901

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 155  
Licensed Practical Nurses..... 28

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MILLE LACS HOSPITAL

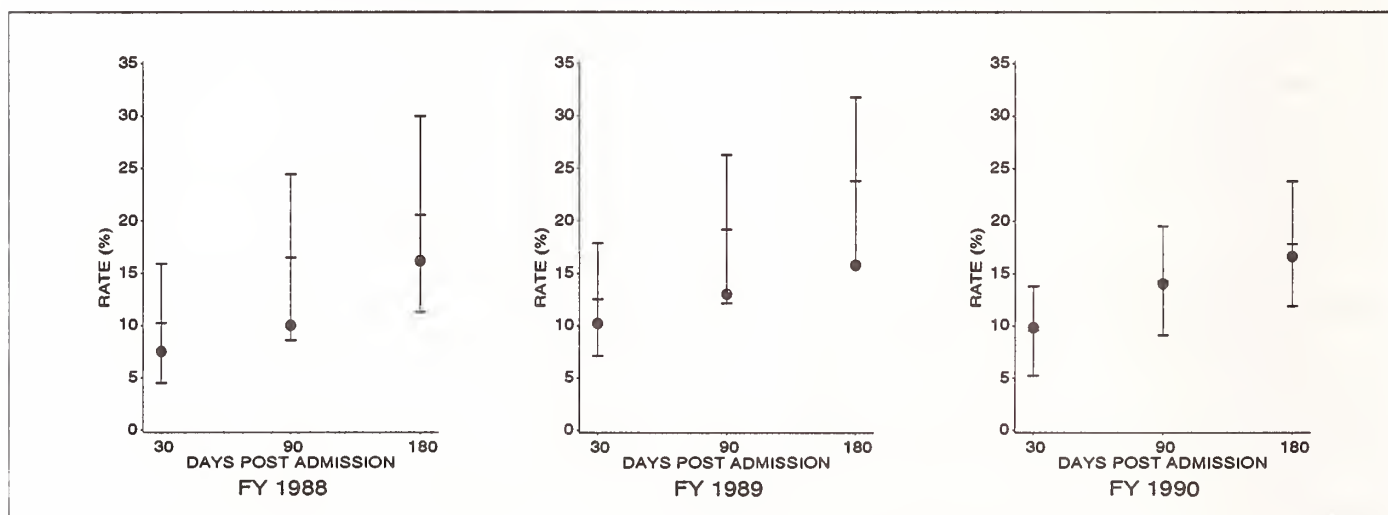
200 NORTH ELM ST  
ONAMIA, MN 56359  
Medicare Provider Number: 240139

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 193             | 9.8                 | 9.5  | 2.1   | 14.0    | 14.3 | 2.6   | 16.6     | 17.8 | 3.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 33.3                | 32.6 | ----- | 33.3    | 37.8 | ----- | 33.3     | 40.3 | ----- |
| Congestive Heart Failure.....              | 6               | 0.0                 | 13.7 | ----- | 0.0     | 22.9 | ----- | 0.0      | 29.1 | ----- |
| Pneumonia/Influenza.....                   | 15              | 13.3                | 11.9 | ----- | 20.0    | 16.2 | ----- | 20.0     | 19.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 16.7                | 6.1  | ----- | 16.7    | 10.9 | ----- | 50.0     | 14.7 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 1.0  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.7  | ----- |
| Stroke.....                                | 7               | 14.3                | 19.5 | ----- | 14.3    | 23.3 | ----- | 14.3     | 26.9 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 2.6  | ----- | 0.0     | 5.1  | ----- | 0.0      | 6.7  | ----- |
| Sepsis.....                                | 2               | 0.0                 | 21.6 | ----- | 0.0     | 30.4 | ----- | 0.0      | 36.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 2.4  | ----- | 0.0     | 4.8  | ----- | 0.0      | 6.5  | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 7               | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.4  | ----- |
| Cholecystectomy.....                       | 6               | 0.0                 | 5.4  | ----- | 0.0     | 9.0  | ----- | 0.0      | 11.3 | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MILLE LACS HOSPITAL

Medicare Provider Number: 240139

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
 Proportion female..... 46.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 32.1 %  
 Transferred from skilled nursing facility..... 8.3 %  
 Admitted for elective procedure..... 5.2 %  
 Admitted for emergency..... 0.5 %

### COMORBIDITIES:

Cancer..... 6.2 %  
 Chronic cardiovascular disease..... 32.6 %  
 Chronic liver disease..... 1.0 %  
 Chronic renal disease..... 1.6 %  
 Chronic pulmonary disease..... 16.1 %  
 Cerebrovascular degeneration..... 8.3 %  
 Diabetes mellitus..... 5.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.0%  
 State ..... 16.2%  
 Outside State ..... 2.8%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.6 Days  
 State ..... 6.6 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 108  
 Occupancy Rate ..... 79.0 %  
 Ownership/Control..... Private, Non-Profit  
 Medicare Discharges ..... 41.8 %  
 Case Mix Index (CMI) ..... 1.0291

### STAFFING:

Total Number of Physicians..... 3  
 Percent of Physicians Board  
 Certified Specialists ..... 66.7 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 10  
 Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... Yes  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... No  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MILLER-DWAN HOSPITAL MEDICAL CENTER

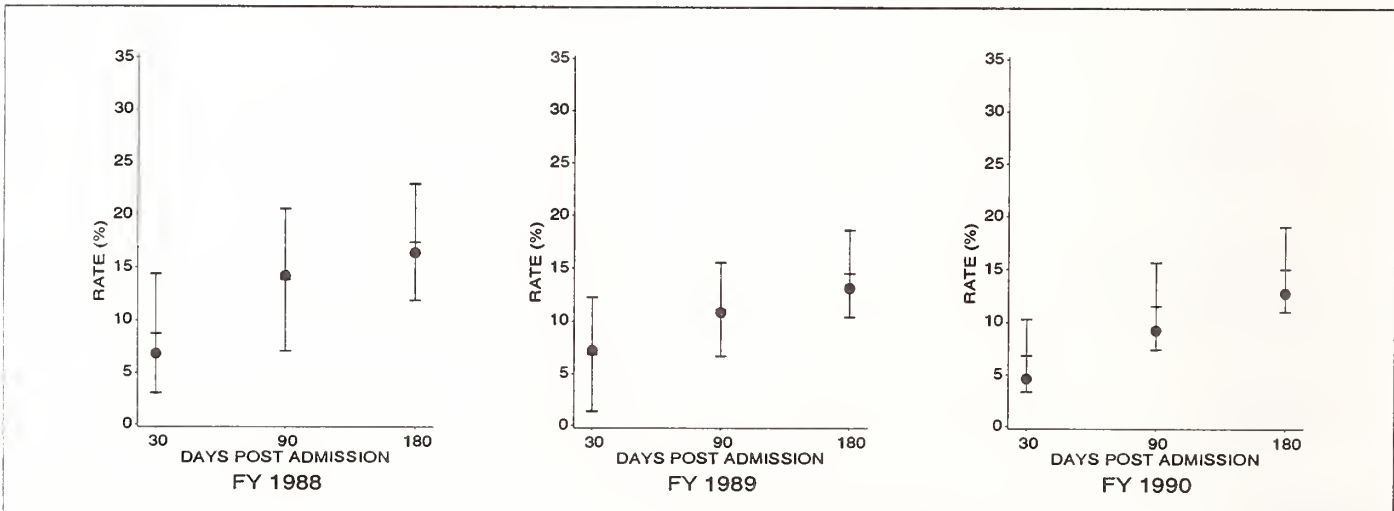
504 E SECOND ST  
DULUTH, MN 55805  
Medicare Provider Number: 240019

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 371             | 4.6                 | 6.8  | 1.7   | 9.2     | 11.5 | 2.1   | 12.7     | 15.0 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1               | 0.0                 | 28.3 | ----- | 0.0     | 32.7 | ----- | 100.0    | 38.6 | ----- |
| Congestive Heart Failure.....              | 10              | 20.0                | 19.0 | ----- | 30.0    | 30.8 | ----- | 50.0     | 38.1 | ----- |
| Pneumonia/Influenza.....                   | 5               | 0.0                 | 10.1 | ----- | 0.0     | 14.3 | ----- | 0.0      | 17.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 1               | 100.0               | 3.1  | ----- | 100.0   | 6.0  | ----- | 100.0    | 8.3  | ----- |
| Stroke.....                                | 1               | 0.0                 | 36.4 | ----- | 100.0   | 53.0 | ----- | 100.0    | 59.5 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 5               | 0.0                 | 29.2 | ----- | 0.0     | 42.0 | ----- | 0.0      | 47.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 0.8  | ----- | 0.0     | 1.3  | ----- | 0.0      | 1.6  | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 1               | 0.0                 | 7.2  | ----- | 0.0     | 17.2 | ----- | 0.0      | 26.3 | ----- |
| Cholecystectomy.....                       | 2               | 0.0                 | 3.5  | ----- | 0.0     | 6.4  | ----- | 0.0      | 9.1  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.8  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MILLER-DWAN HOSPITAL MEDICAL CENTER

Medicare Provider Number: 240019

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 64.7 years  
Proportion female..... 56.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 67.7 %  
Transferred from skilled nursing facility..... 8.9 %  
Admitted for elective procedure..... 41.2 %  
Admitted for emergency..... 15.1 %

### COMORBIDITIES:

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 29.6 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 26.7 %  
Chronic pulmonary disease..... 10.0 %  
Cerebrovascular degeneration..... 6.7 %  
Diabetes mellitus..... 10.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 49.9%  
State ..... 21.0%  
Outside State ..... 29.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 165  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 31.3 %  
Case Mix Index (CMI) ..... 1.3703

### STAFFING:

Total Number of Physicians..... 201  
Percent of Physicians Board  
Certified Specialists..... 96.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 104  
Licensed Practical Nurses ..... 65

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MINNESOTA VALLEY MEMORIAL HOSPITAL

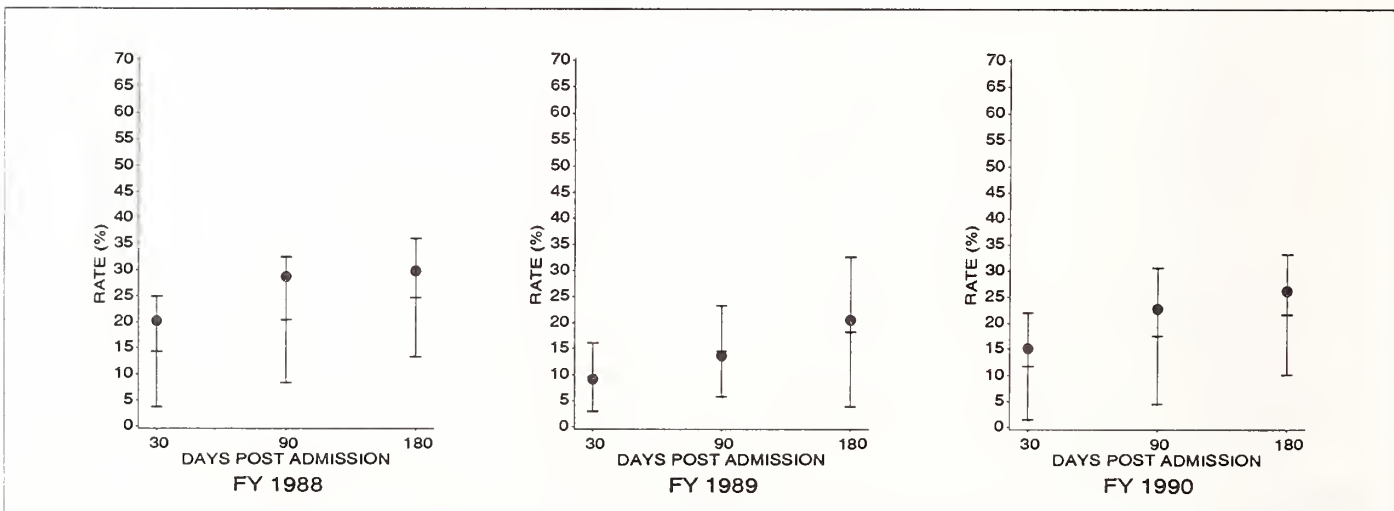
621 S 4TH ST  
LE SUEUR, MN 56058  
Medicare Provider Number: 240021

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 119             | 15.1                | 11.7 | 5.1  | 22.7    | 17.5 | 6.5  | 26.1     | 21.6 | 5.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 3               | 33.3                | 31.8 | ---- | 66.7    | 37.1 | ---- | 66.7     | 40.6 | ---- |
| Congestive Heart Failure.....              | 9               | 22.2                | 15.9 | ---- | 33.3    | 24.7 | ---- | 33.3     | 31.4 | ---- |
| Pneumonia/Influenza.....                   | 15              | 33.3                | 16.5 | ---- | 40.0    | 22.4 | ---- | 40.0     | 26.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 5.9  | ---- | 0.0     | 12.0 | ---- | 0.0      | 16.5 | ---- |
| Transient Cerebral Ischemia.....           | 2               | 50.0                | 2.0  | ---- | 50.0    | 4.4  | ---- | 50.0     | 6.9  | ---- |
| Stroke.....                                | 4               | 25.0                | 25.0 | ---- | 25.0    | 33.3 | ---- | 50.0     | 38.3 | ---- |
| Hip Fracture.....                          | 2               | 0.0                 | 5.2  | ---- | 0.0     | 10.0 | ---- | 0.0      | 13.7 | ---- |
| Sepsis.....                                | 3               | 0.0                 | 21.1 | ---- | 0.0     | 27.2 | ---- | 0.0      | 32.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 5               | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.5  | ---- |
| Cholecystectomy.....                       | 1               | 0.0                 | 1.7  | ---- | 0.0     | 2.6  | ---- | 0.0      | 3.2  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 1.0  | ---- | 0.0     | 2.5  | ---- | 0.0      | 4.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MINNESOTA VALLEY MEMORIAL HOSPITAL

Medicare Provider Number: 240021

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 80.2 years  
Proportion female..... 56.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 10.1 %  
Admitted for emergency..... 3.4 %

### COMORBIDITIES:

Cancer..... 10.1 %  
Chronic cardiovascular disease..... 45.4 %  
Chronic liver disease..... 2.5 %  
Chronic renal disease..... 0.8 %  
Chronic pulmonary disease..... 10.1 %  
Cerebrovascular degeneration..... 1.7 %  
Diabetes mellitus..... 4.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 83.3%  
State ..... 16.1%  
Outside State ..... 0.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.4 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 109  
Occupancy Rate ..... 78.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 0.9936

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MINNEWASKA DISTRICT HOSPITAL

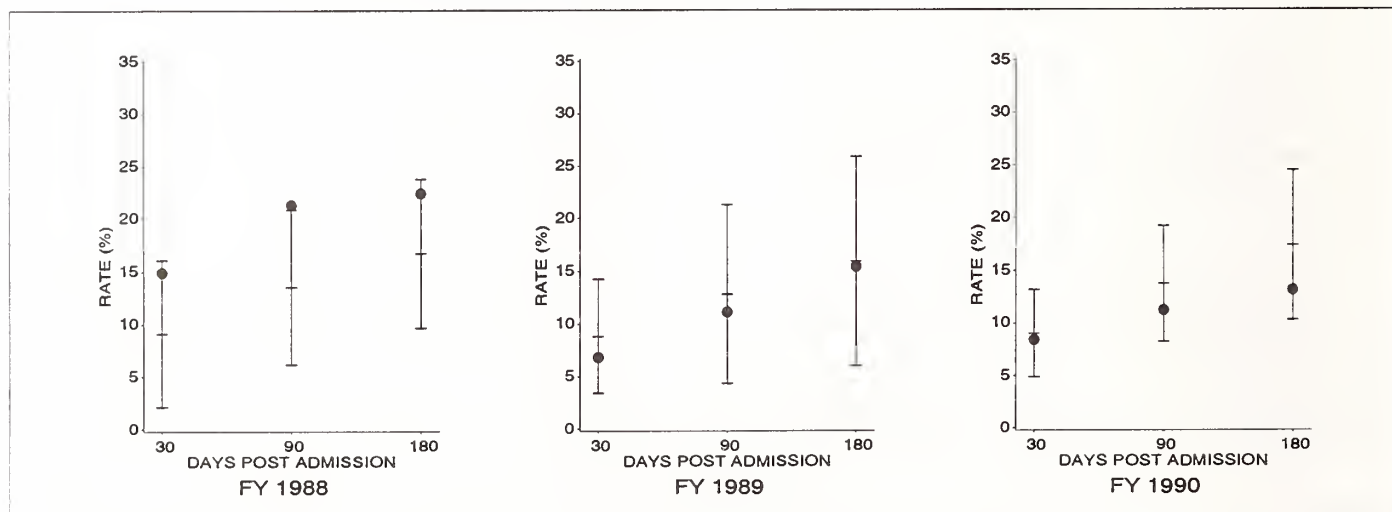
610 WEST SIXTH STREET  
STARBUCK, MN 56381  
Medicare Provider Number: 240160

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 214             | 8.4                 | 9.0  | 2.1   | 11.2    | 13.7 | 2.8   | 13.1     | 17.4 | 3.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7               | 57.1                | 28.0 | ----- | 57.1    | 31.7 | ----- | 57.1     | 34.4 | ----- |
| Congestive Heart Failure.....              | 12              | 8.3                 | 13.7 | ----- | 16.7    | 21.8 | ----- | 25.0     | 28.7 | ----- |
| Pneumonia/Influenza.....                   | 27              | 7.4                 | 15.1 | ----- | 11.1    | 21.0 | ----- | 18.5     | 25.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 10              | 20.0                | 14.5 | ----- | 20.0    | 19.9 | ----- | 20.0     | 23.3 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 5.3  | ----- | 0.0     | 7.9  | ----- | 0.0      | 9.4  | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 2.7  | ----- | 25.0    | 5.0  | ----- | 25.0     | 7.1  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 4               | 0.0                 | 2.1  | ----- | 0.0     | 4.3  | ----- | 0.0      | 7.2  | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 2.1  | ----- | 25.0    | 3.7  | ----- | 25.0     | 5.2  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MINNEWASKA DISTRICT HOSPITAL

Medicare Provider Number: 240160

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.5 years  
Proportion female..... 52.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 90.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 3.7 %  
Admitted for emergency..... 1.4 %

### COMORBIDITIES:

Cancer..... 4.7 %  
Chronic cardiovascular disease..... 50.9 %  
Chronic liver disease..... 1.4 %  
Chronic renal disease..... 0.9 %  
Chronic pulmonary disease..... 13.6 %  
Cerebrovascular degeneration..... 3.7 %  
Diabetes mellitus..... 5.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.3%  
State ..... 17.9%  
Outside State ..... 0.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 19  
Occupancy Rate ..... 36.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 62.1 %  
Case Mix Index (CMI) ..... 0.9670

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists ..... 71.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MONTICELLO-BIG LAKE COMMUNITY HOSPITAL

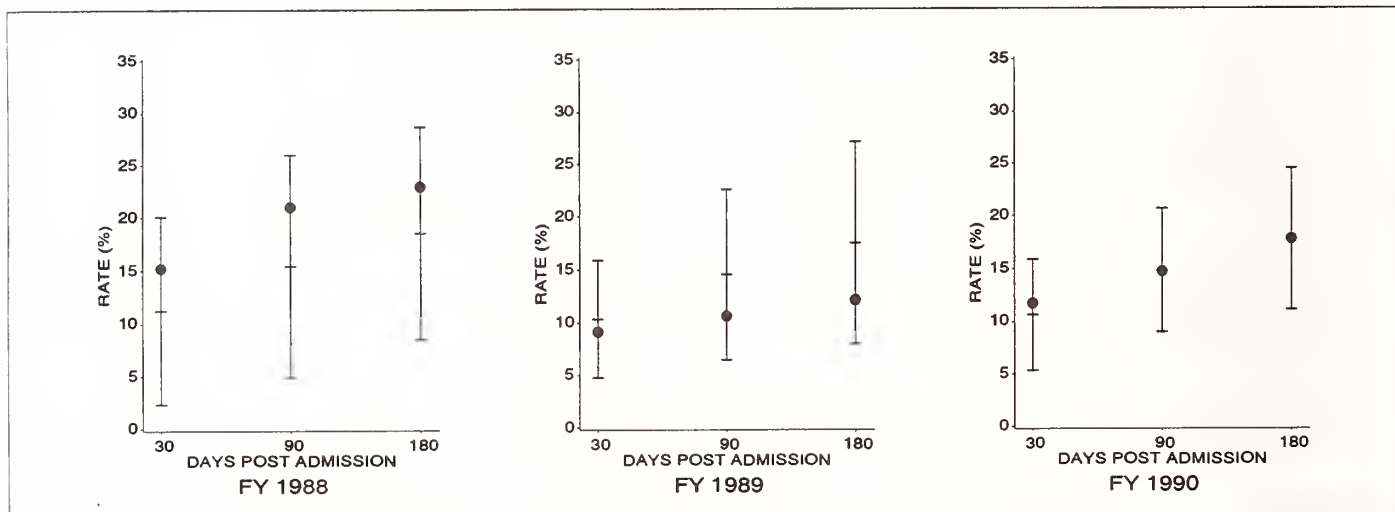
1013 HART BOULEVARD, BOX 480  
MONTICELLO, MN 55362  
Medicare Provider Number: 240094

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 163             | 11.7                | 10.6 | 2.6  | 14.7    | 14.8 | 2.9  | 17.8     | 17.8 | 3.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 6               | 0.0                 | 34.8 | ---- | 16.7    | 39.3 | ---- | 16.7     | 42.3 | ---- |
| Congestive Heart Failure.....              | 8               | 25.0                | 15.4 | ---- | 37.5    | 23.4 | ---- | 50.0     | 29.6 | ---- |
| Pneumonia/Influenza.....                   | 16              | 18.8                | 13.0 | ---- | 25.0    | 18.2 | ---- | 31.3     | 21.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 50.0                | 14.4 | ---- | 50.0    | 23.2 | ---- | 50.0     | 29.4 | ---- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.5  | ---- | 33.3    | 3.5  | ---- | 33.3     | 6.0  | ---- |
| Stroke.....                                | 8               | 25.0                | 25.3 | ---- | 25.0    | 30.6 | ---- | 25.0     | 33.9 | ---- |
| Hip Fracture.....                          | 7               | 0.0                 | 5.9  | ---- | 0.0     | 10.2 | ---- | 0.0      | 13.3 | ---- |
| Sepsis.....                                | 1               | 0.0                 | 30.1 | ---- | 0.0     | 44.9 | ---- | 0.0      | 52.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 3.4  | ---- | 0.0     | 6.5  | ---- | 0.0      | 9.0  | ---- |
| Open Reduction of Hip Fracture.....        | 4               | 0.0                 | 6.8  | ---- | 0.0     | 12.0 | ---- | 0.0      | 15.5 | ---- |
| Prostatectomy.....                         | 5               | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.8  | ---- |
| Cholecystectomy.....                       | 2               | 0.0                 | 0.9  | ---- | 0.0     | 1.6  | ---- | 0.0      | 1.9  | ---- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.2  | ---- | 0.0     | 0.5  | ---- | 0.0      | 0.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MONTICELLO-BIG LAKE COMMUNITY HOSPITAL

Medicare Provider Number: 240094

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.8 years  
Proportion female..... 58.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.9 %  
Transferred from skilled nursing facility..... 2.5 %  
Admitted for elective procedure..... 17.2 %  
Admitted for emergency..... 62.6 %

### COMORBIDITIES:

Cancer..... 4.9 %  
Chronic cardiovascular disease..... 30.1 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 13.5 %  
Cerebrovascular degeneration..... 3.1 %  
Diabetes mellitus..... 6.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 51.3%  
State ..... 44.4%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 130  
Occupancy Rate ..... 75.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 24.6 %  
Case Mix Index (CMI) ..... 1.0541

### STAFFING:

Total Number of Physicians..... 32  
Percent of Physicians Board  
Certified Specialists..... 65.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 40  
Licensed Practical Nurses ..... 2

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MOUNTAIN LAKE COMMUNITY HOSPITAL

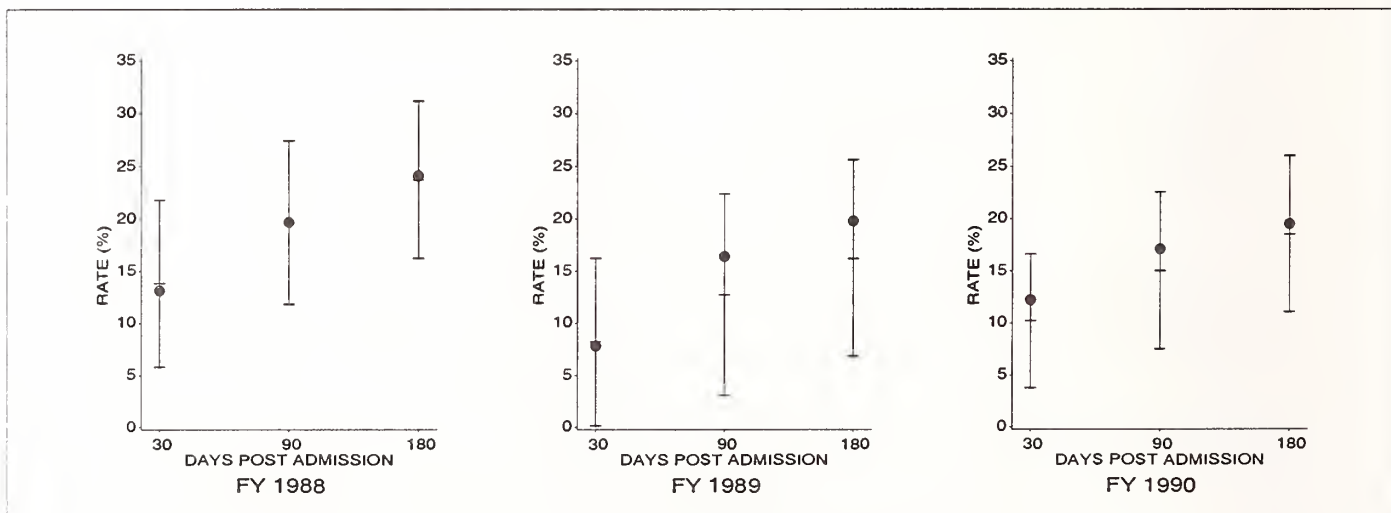
801 THIRD AVE  
MOUNTAIN LAKE, MN 56159  
Medicare Provider Number: 240134

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 123                | 12.2                | 10.2 | 3.2  | 17.1    | 15.0 | 3.8  | 19.5     | 18.5 | 3.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 6                  | 50.0                | 29.5 | ---- | 50.0    | 31.6 | ---- | 50.0     | 34.1 | ---- |
| Congestive Heart Failure.....              | 10                 | 0.0                 | 13.1 | ---- | 10.0    | 20.1 | ---- | 10.0     | 25.3 | ---- |
| Pneumonia/Influenza.....                   | 5                  | 0.0                 | 23.0 | ---- | 20.0    | 31.0 | ---- | 20.0     | 36.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 18.2 | ---- | 0.0     | 29.5 | ---- | 0.0      | 35.6 | ---- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 0.8  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.5  | ---- |
| Stroke.....                                | 8                  | 37.5                | 19.1 | ---- | 37.5    | 25.7 | ---- | 62.5     | 29.8 | ---- |
| Hip Fracture.....                          | 1                  | 0.0                 | 11.3 | ---- | 0.0     | 19.5 | ---- | 0.0      | 24.0 | ---- |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 2.8  | ---- | 0.0     | 6.0  | ---- | 0.0      | 9.1  | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 2                  | 0.0                 | 0.6  | ---- | 0.0     | 1.6  | ---- | 0.0      | 3.0  | ---- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.8  | ---- | 0.0     | 1.8  | ---- | 0.0      | 3.2  | ---- |
| Hysterectomy.....                          | 1                  | 100.0               | 1.1  | ---- | 100.0   | 2.9  | ---- | 100.0    | 5.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MOUNTAIN LAKE COMMUNITY HOSPITAL

Medicare Provider Number: 240134

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.8 years

Proportion female..... 57.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 91.9 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 7.3 %

Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 3.3 %

Chronic cardiovascular disease..... 73.2 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 1.6 %

Chronic pulmonary disease..... 8.9 %

Cerebrovascular degeneration..... 2.4 %

Diabetes mellitus..... 4.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.3%

State ..... 17.6%

Outside State ..... 1.1%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.7 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 24

Occupancy Rate ..... 20.0 %

Ownership/Control..... Local Government

Medicare Discharges .....(Not Available)

Case Mix Index (CMI) ..... 0.9961

### STAFFING:

Total Number of Physicians..... (Not Available)

Percent of Physicians Board  
Certified Specialists .....(Not Available)

Medical Residents/Interns ..... (Not Available)

Registered Nurses..... (Not Available)

Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MURRAY COUNTY MEMORIAL HOSPITAL

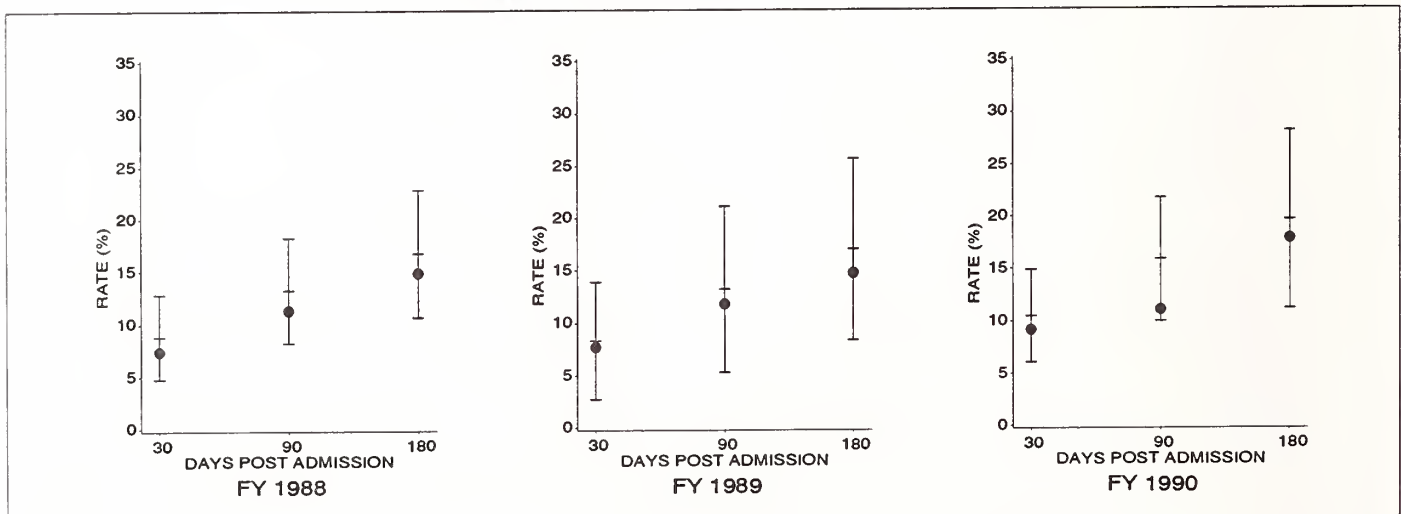
2042 JUNIPER AVE  
SLAYTON, MN 56172  
Medicare Provider Number: 240073

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 207             | 9.2                 | 10.5 | 2.2   | 11.1    | 15.9 | 3.0   | 17.9     | 19.7 | 4.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8               | 75.0                | 34.9 | ----- | 75.0    | 39.0 | ----- | 75.0     | 42.2 | ----- |
| Congestive Heart Failure.....              | 18              | 16.7                | 12.9 | ----- | 16.7    | 21.3 | ----- | 33.3     | 26.8 | ----- |
| Pneumonia/Influenza.....                   | 19              | 10.5                | 14.1 | ----- | 10.5    | 19.7 | ----- | 26.3     | 24.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 13.1 | ----- | 0.0     | 23.2 | ----- | 0.0      | 29.9 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 20.0                | 1.2  | ----- | 20.0    | 3.0  | ----- | 40.0     | 5.2  | ----- |
| Stroke.....                                | 7               | 14.3                | 21.3 | ----- | 14.3    | 31.8 | ----- | 28.6     | 38.0 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 2.7  | ----- | 0.0     | 5.0  | ----- | 0.0      | 6.5  | ----- |
| Sepsis.....                                | 5               | 0.0                 | 20.5 | ----- | 20.0    | 26.9 | ----- | 40.0     | 32.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 2.0  | ----- | 0.0     | 4.0  | ----- | 0.0      | 5.5  | ----- |
| Prostatectomy.....                         | 3               | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.4  | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 1.3  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.5  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MURRAY COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 240073

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.9 years  
Proportion female..... 61.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 2.9 %

### COMORBIDITIES:

Cancer..... 5.3 %  
Chronic cardiovascular disease..... 38.6 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 16.4 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 11.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 84.0%  
State..... 15.4%  
Outside State..... 0.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.0 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 35  
Occupancy Rate..... 22.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... (Not Available)  
Case Mix Index (CMI)..... 1.0533

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# **NAEVE HOSPITAL ASSOCIATION**

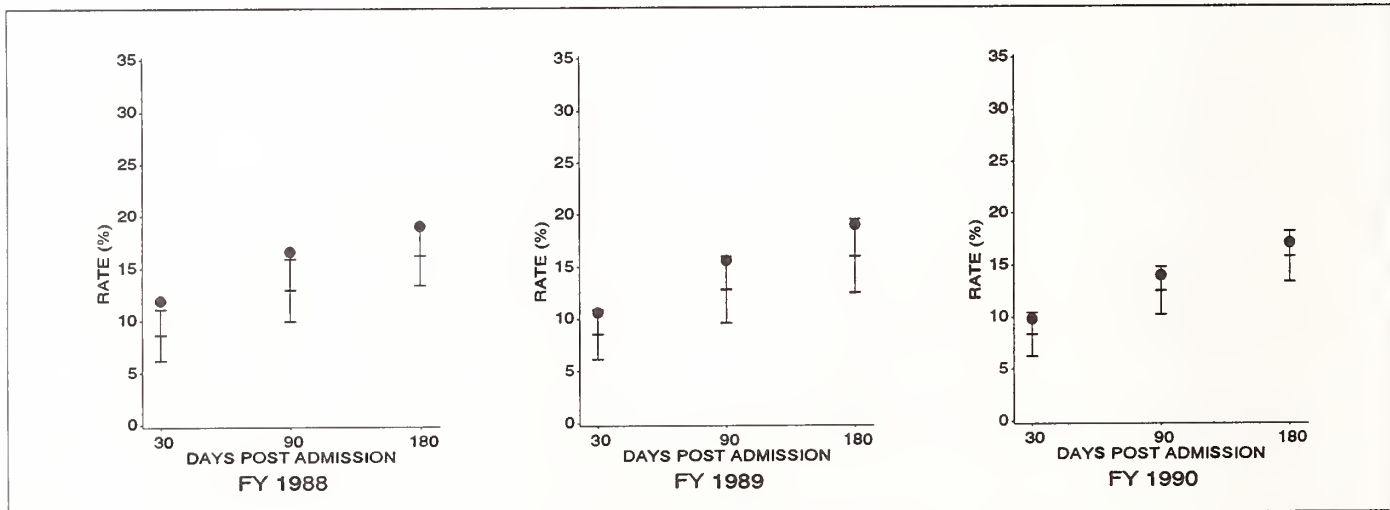
404 FOUNTAIN STREET  
ALBERT LEA, MN 56007  
Medicare Provider Number: 240043

## **FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1051            | 9.8                 | 8.3  | 1.1  | 14.0    | 12.5 | 1.2  | 17.1     | 15.8 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 55              | 29.1                | 22.7 | 9.8  | 34.5    | 26.0 | 8.6  | 38.2     | 28.9 | 8.6  |
| Congestive Heart Failure.....              | 55              | 18.2                | 15.0 | 6.9  | 25.5    | 23.5 | 6.5  | 32.7     | 29.9 | 6.7  |
| Pneumonia/Influenza.....                   | 65              | 12.3                | 12.9 | 4.2  | 16.9    | 17.9 | 5.5  | 21.5     | 21.6 | 5.3  |
| Chronic Obstructive Pulmonary Disease..... | 24              | 29.2                | 7.7  | ---- | 33.3    | 13.9 | ---- | 37.5     | 18.5 | ---- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 2.1  | ---- | 0.0     | 4.6  | ---- | 0.0      | 7.2  | ---- |
| Stroke.....                                | 35              | 17.1                | 16.0 | ---- | 20.0    | 22.8 | ---- | 20.0     | 26.6 | ---- |
| Hip Fracture.....                          | 37              | 8.1                 | 7.4  | ---- | 10.8    | 13.1 | ---- | 10.8     | 16.6 | ---- |
| Sepsis.....                                | 5               | 40.0                | 15.0 | ---- | 40.0    | 18.2 | ---- | 40.0     | 20.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 7.1  | ---- | 0.0     | 11.7 | ---- | 0.0      | 14.5 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 26              | 3.8                 | 3.9  | ---- | 3.8     | 6.9  | ---- | 3.8      | 9.0  | ---- |
| Open Reduction of Hip Fracture.....        | 12              | 0.0                 | 6.5  | ---- | 8.3     | 11.6 | ---- | 8.3      | 15.1 | ---- |
| Prostatectomy.....                         | 77              | 1.3                 | 0.6  | 1.1  | 1.3     | 1.5  | 1.5  | 2.6      | 2.7  | 2.0  |
| Cholecystectomy.....                       | 18              | 0.0                 | 3.1  | ---- | 5.6     | 6.5  | ---- | 5.6      | 9.2  | ---- |
| Hysterectomy.....                          | 13              | 0.0                 | 0.6  | ---- | 0.0     | 1.1  | ---- | 0.0      | 1.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## **OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# NAEVE HOSPITAL ASSOCIATION

Medicare Provider Number: 240043

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 56.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.6 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 20.3 %  
Admitted for emergency..... 27.3 %

### COMORBIDITIES:

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 29.9 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 12.1 %  
Cerebrovascular degeneration..... 5.7 %  
Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 73.5%  
State ..... 19.6%  
Outside State ..... 6.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 115  
Occupancy Rate ..... 33.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 47.7 %  
Case Mix Index (CMI) ..... 1.1141

### STAFFING:

Total Number of Physicians..... 37  
Percent of Physicians Board  
Certified Specialists..... 89.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 64  
Licensed Practical Nurses ..... 10

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# NORTH COUNTRY HOSPITAL

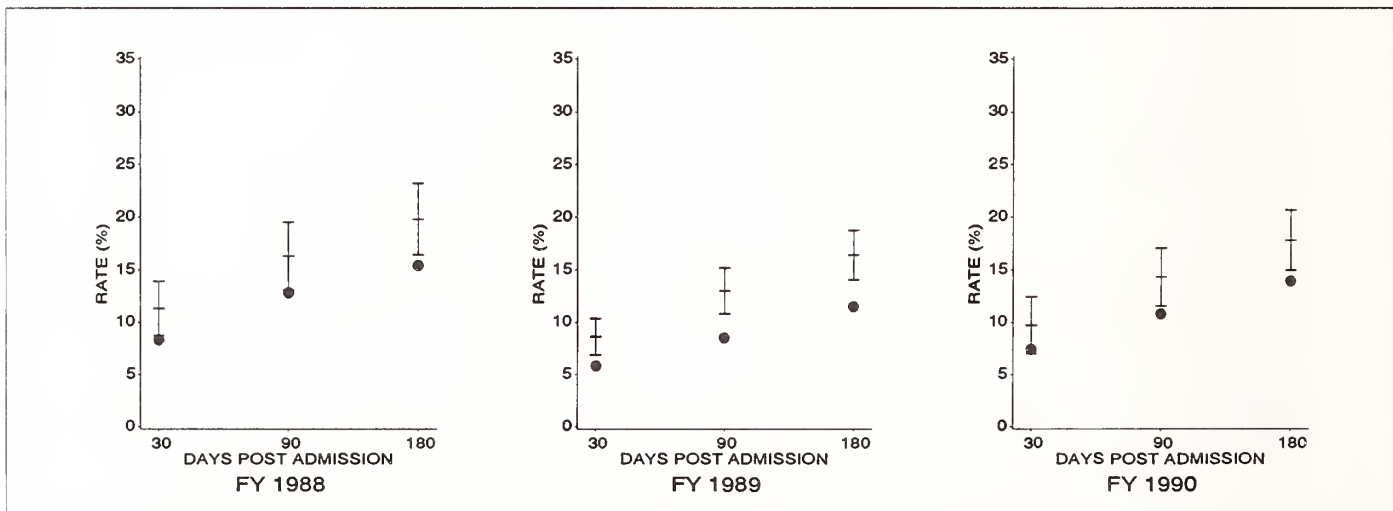
1100 W 38TH ST  
BEMIDJI, MN 56601  
Medicare Provider Number: 240100

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1210            | 7.4                 | 9.7  | 1.4   | 10.8    | 14.3 | 1.4   | 13.9     | 17.8 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 49              | 16.3                | 21.5 | ----- | 20.4    | 25.1 | ----- | 20.4     | 28.3 | ----- |
| Congestive Heart Failure.....              | 60              | 16.7                | 16.0 | 4.8   | 25.0    | 25.1 | 8.1   | 33.3     | 32.1 | 7.0   |
| Pneumonia/Influenza.....                   | 60              | 1.7                 | 16.3 | 6.1   | 5.0     | 21.9 | 6.9   | 10.0     | 25.6 | 7.4   |
| Chronic Obstructive Pulmonary Disease..... | 17              | 0.0                 | 8.1  | ----- | 0.0     | 14.0 | ----- | 5.9      | 18.2 | ----- |
| Transient Cerebral Ischemia.....           | 15              | 0.0                 | 1.8  | ----- | 0.0     | 4.3  | ----- | 0.0      | 7.1  | ----- |
| Stroke.....                                | 41              | 34.1                | 24.6 | ----- | 34.1    | 30.1 | ----- | 36.6     | 33.7 | ----- |
| Hip Fracture.....                          | 44              | 2.3                 | 7.5  | ----- | 2.3     | 12.9 | ----- | 4.5      | 16.4 | ----- |
| Sepsis.....                                | 11              | 9.1                 | 34.5 | ----- | 9.1     | 43.4 | ----- | 9.1      | 47.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 12.0 | ----- | 25.0    | 18.6 | ----- | 25.0     | 22.4 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 40              | 0.0                 | 4.2  | ----- | 0.0     | 7.6  | ----- | 0.0      | 10.1 | ----- |
| Open Reduction of Hip Fracture.....        | 14              | 0.0                 | 5.7  | ----- | 0.0     | 10.6 | ----- | 0.0      | 14.1 | ----- |
| Prostatectomy.....                         | 32              | 0.0                 | 1.3  | ----- | 3.1     | 3.1  | ----- | 3.1      | 5.4  | ----- |
| Cholecystectomy.....                       | 27              | 7.4                 | 2.7  | ----- | 7.4     | 4.9  | ----- | 7.4      | 6.4  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NORTH COUNTRY HOSPITAL

Medicare Provider Number: 240100

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.1 years  
Proportion female..... 53.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.7 %  
Transferred from skilled nursing facility..... 2.3 %  
Admitted for elective procedure..... 13.1 %  
Admitted for emergency..... 51.7 %

### COMORBIDITIES:

Cancer..... 6.9 %  
Chronic cardiovascular disease..... 43.4 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 1.1 %  
Chronic pulmonary disease..... 14.0 %  
Cerebrovascular degeneration..... 5.5 %  
Diabetes mellitus..... 6.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 66.7%  
State ..... 29.7%  
Outside State ..... 3.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.9 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 89  
Occupancy Rate ..... 68.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 38.3 %  
Case Mix Index (CMI) ..... 1.3106

### STAFFING:

Total Number of Physicians..... 43  
Percent of Physicians Board  
Certified Specialists..... 97.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 94  
Licensed Practical Nurses ..... 25

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# NORTH MEMORIAL MEDICAL CENTER

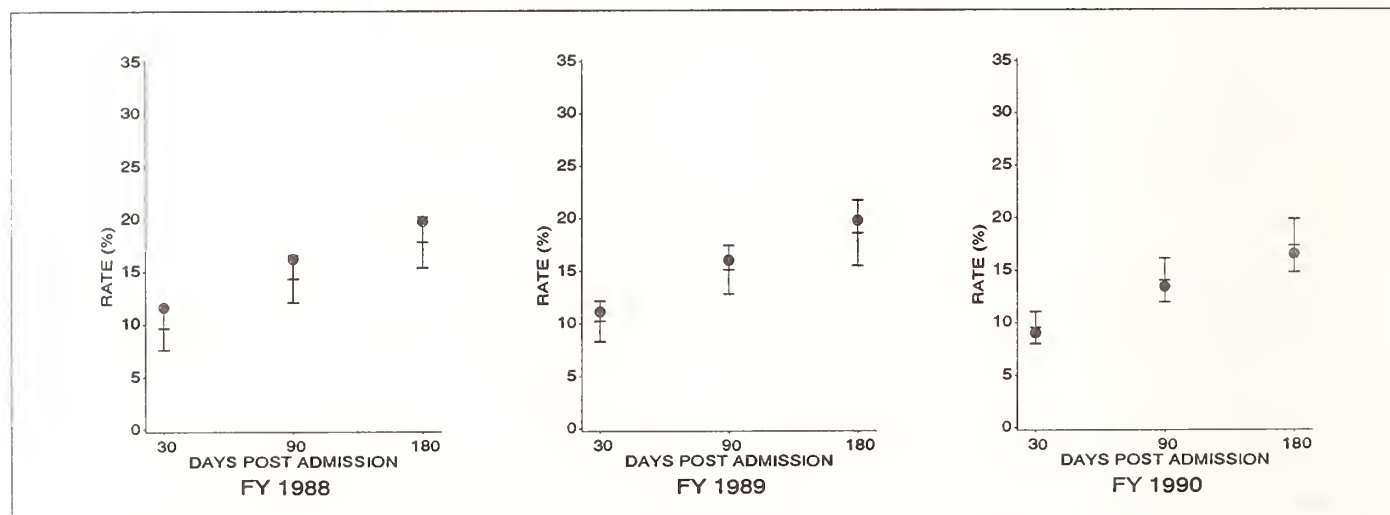
3300 OAKDALE NORTH  
ROBBINSDALE, MN 55422  
Medicare Provider Number: 240001

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2600            | 9.0                 | 9.5  | 0.8   | 13.4    | 14.0 | 1.0   | 16.5     | 17.3 | 1.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 108             | 22.2                | 23.4 | 4.2   | 27.8    | 26.5 | 4.3   | 31.5     | 29.4 | 4.8   |
| Congestive Heart Failure.....              | 121             | 11.6                | 15.1 | 5.1   | 20.7    | 23.1 | 7.3   | 28.1     | 29.0 | 6.3   |
| Pneumonia/Influenza.....                   | 94              | 19.1                | 19.3 | 4.8   | 28.7    | 26.1 | 5.0   | 33.0     | 30.9 | 5.1   |
| Chronic Obstructive Pulmonary Disease..... | 23              | 4.3                 | 10.0 | ----- | 4.3     | 16.4 | ----- | 4.3      | 21.3 | ----- |
| Transient Cerebral Ischemia.....           | 25              | 0.0                 | 2.1  | ----- | 8.0     | 4.4  | ----- | 8.0      | 6.9  | ----- |
| Stroke.....                                | 94              | 20.2                | 21.8 | 4.8   | 27.7    | 28.3 | 5.2   | 29.8     | 32.1 | 5.2   |
| Hip Fracture.....                          | 86              | 8.1                 | 7.4  | 3.2   | 10.5    | 12.9 | 4.1   | 15.1     | 16.7 | 4.3   |
| Sepsis.....                                | 41              | 34.1                | 27.6 | ----- | 43.9    | 35.9 | ----- | 46.3     | 41.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 43              | 4.7                 | 3.4  | ----- | 4.7     | 4.2  | ----- | 4.7      | 5.1  | ----- |
| Coronary Artery Bypass Graft.....          | 70              | 4.3                 | 5.7  | 3.7   | 7.1     | 7.9  | 3.9   | 7.1      | 8.9  | 3.9   |
| Initial Pacemaker Insertion.....           | 33              | 3.0                 | 3.7  | ----- | 9.1     | 7.1  | ----- | 18.2     | 9.9  | ----- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 1.0  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.7  | ----- |
| Hip Replacement/Reconstruction.....        | 57              | 5.3                 | 3.5  | 4.0   | 7.0     | 6.5  | 3.7   | 10.5     | 8.8  | 4.1   |
| Open Reduction of Hip Fracture.....        | 38              | 7.9                 | 6.3  | ----- | 7.9     | 11.3 | ----- | 10.5     | 14.7 | ----- |
| Prostatectomy.....                         | 66              | 1.5                 | 0.8  | 1.2   | 3.0     | 1.8  | 2.0   | 3.0      | 3.1  | 2.3   |
| Cholecystectomy.....                       | 46              | 0.0                 | 1.7  | ----- | 0.0     | 3.0  | ----- | 0.0      | 4.1  | ----- |
| Hysterectomy.....                          | 22              | 0.0                 | 0.3  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NORTH MEMORIAL MEDICAL CENTER

Medicare Provider Number: 240001

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.0 years  
Proportion female..... 55.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.0 %  
Transferred from skilled nursing facility..... 9.3 %  
Admitted for elective procedure..... 32.7 %  
Admitted for emergency..... 58.5 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 49.8 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 16.3 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.9%  
State ..... 19.6%  
Outside State ..... 5.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.1 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 393  
Occupancy Rate ..... 80.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 18.9 %  
Case Mix Index (CMI) ..... 1.5482

### STAFFING:

Total Number of Physicians..... 448  
Percent of Physicians Board  
Certified Specialists..... 58.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 532  
Licensed Practical Nurses..... 47

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# NORTH PINE AREA HOSPITAL DISTRICT

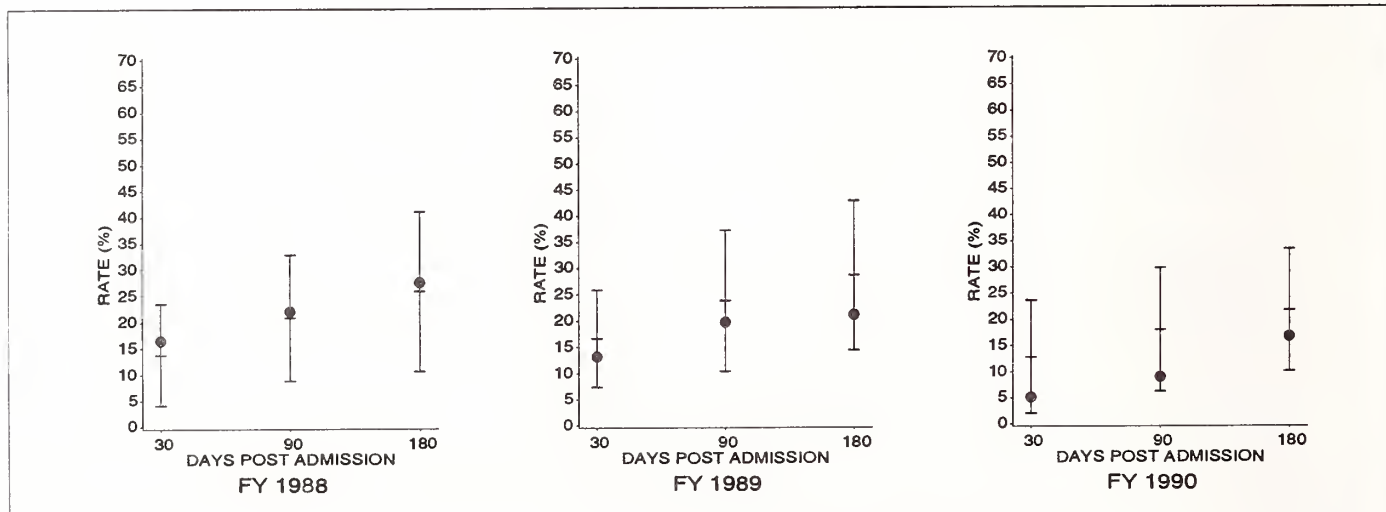
317 COURT AVENUE  
SANDSTONE, MN 55072  
Medicare Provider Number: 240058

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 78              | 5.1                 | 12.8 | 5.4   | 9.0     | 18.0 | 5.9   | 16.7     | 21.7 | 5.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 0.0                 | 22.6 | ----- | 0.0     | 24.9 | ----- | 0.0      | 27.6 | ----- |
| Congestive Heart Failure.....              | 6               | 0.0                 | 16.9 | ----- | 0.0     | 25.8 | ----- | 50.0     | 32.2 | ----- |
| Pneumonia/Influenza.....                   | 9               | 11.1                | 20.5 | ----- | 22.2    | 30.1 | ----- | 22.2     | 36.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 10.0 | ----- | 0.0     | 16.0 | ----- | 50.0     | 21.0 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.5  | ----- |
| Stroke.....                                | 7               | 14.3                | 28.0 | ----- | 14.3    | 33.2 | ----- | 14.3     | 36.9 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 6.7  | ----- | 0.0     | 8.5  | ----- | 0.0      | 10.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NORTH PINE AREA HOSPITAL DISTRICT

Medicare Provider Number: 240058

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.3 years  
Proportion female..... 61.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 14.1 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 1.3 %

### COMORBIDITIES:

Cancer..... 1.3 %  
Chronic cardiovascular disease..... 55.1 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.8 %  
Chronic pulmonary disease..... 20.5 %  
Cerebrovascular degeneration..... 6.4 %  
Diabetes mellitus..... 6.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 86.3%  
State ..... 12.1%  
Outside State ..... 1.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 106  
Occupancy Rate ..... 74.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 57.0 %  
Case Mix Index (CMI) ..... 1.0119

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists..... 50.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# NORTHERN ITASCA HOSPITAL DISTRICT

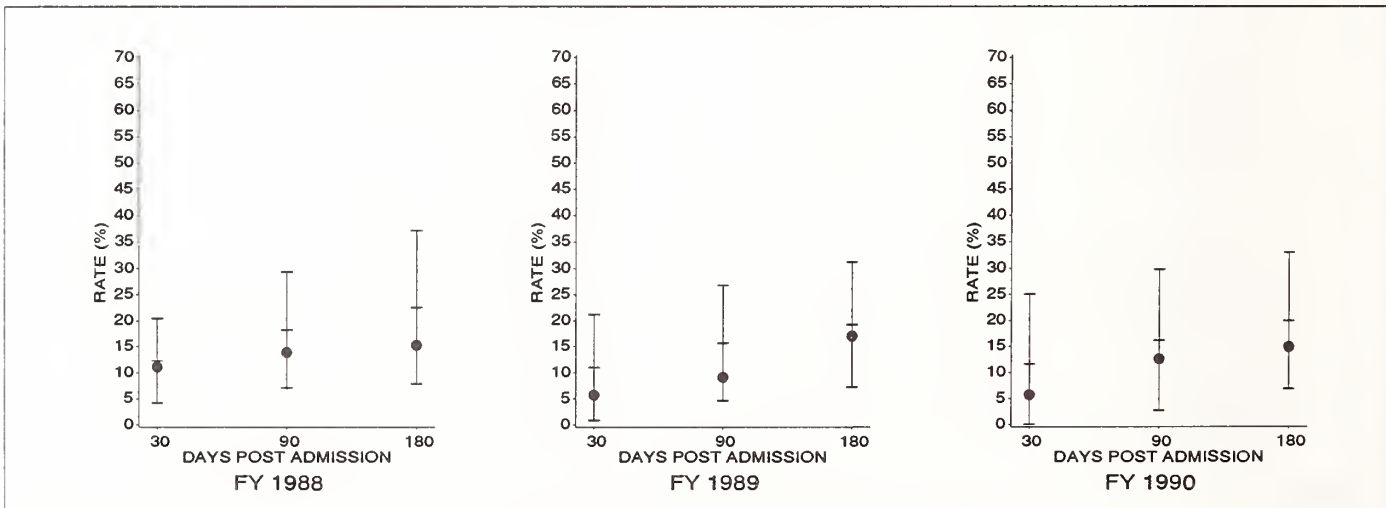
258 PINETREE DRIVE  
BIGFORK, MN 56628  
Medicare Provider Number: 240163

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 87              | 5.7                 | 11.6 | 6.7   | 12.6    | 16.2 | 6.8   | 14.9     | 19.9 | 6.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2               | 50.0                | 47.2 | ----- | 50.0    | 49.7 | ----- | 50.0     | 53.3 | ----- |
| Congestive Heart Failure.....              | 6               | 0.0                 | 17.9 | ----- | 16.7    | 26.8 | ----- | 16.7     | 32.9 | ----- |
| Pneumonia/Influenza.....                   | 7               | 0.0                 | 12.9 | ----- | 0.0     | 17.4 | ----- | 0.0      | 21.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 8               | 0.0                 | 21.3 | ----- | 12.5    | 26.9 | ----- | 12.5     | 30.3 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 4.1  | ----- | 0.0     | 7.9  | ----- | 0.0      | 10.6 | ----- |
| Sepsis.....                                | 4               | 0.0                 | 25.2 | ----- | 0.0     | 28.8 | ----- | 0.0      | 33.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NORTHERN ITASCA HOSPITAL DISTRICT

Medicare Provider Number: 240163

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 47.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 58.6 %

### COMORBIDITIES:

Cancer..... 6.9 %  
Chronic cardiovascular disease..... 37.9 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 13.8 %  
Cerebrovascular degeneration..... 9.2 %  
Diabetes mellitus..... 13.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 78.0%  
State ..... 18.2%  
Outside State ..... 3.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 56  
Occupancy Rate ..... 80.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 48.3 %  
Case Mix Index (CMI) ..... 0.9784

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# NORTHFIELD CITY HOSPITAL

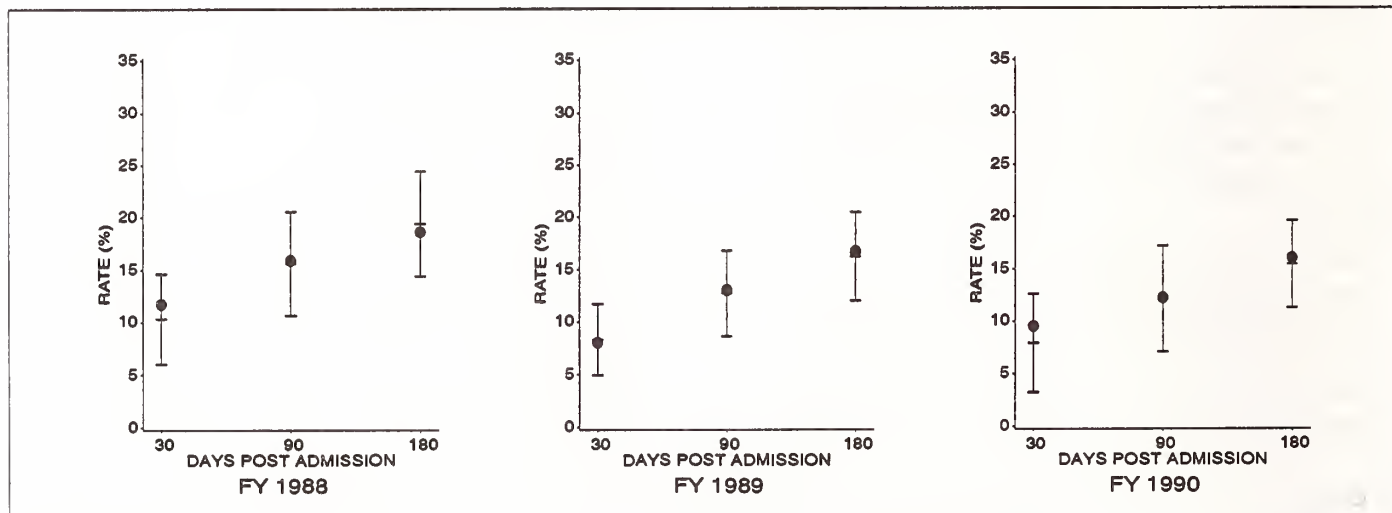
800 W 2ND ST  
NORTHFIELD, MN 55057  
Medicare Provider Number: 240014

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 337             | 9.5                 | 7.9  | 2.3  | 12.2    | 12.1 | 2.5  | 16.0     | 15.4 | 2.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 13              | 30.8                | 28.4 | ---- | 38.5    | 32.8 | ---- | 38.5     | 36.3 | ---- |
| Congestive Heart Failure.....              | 17              | 5.9                 | 15.1 | ---- | 17.6    | 24.1 | ---- | 17.6     | 30.4 | ---- |
| Pneumonia/Influenza.....                   | 22              | 18.2                | 11.9 | ---- | 18.2    | 16.1 | ---- | 18.2     | 19.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 8.6  | ---- | 0.0     | 15.4 | ---- | 0.0      | 20.4 | ---- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.2  | ---- | 0.0     | 2.7  | ---- | 33.3     | 4.2  | ---- |
| Stroke.....                                | 11              | 18.2                | 17.1 | ---- | 18.2    | 22.4 | ---- | 18.2     | 26.0 | ---- |
| Hip Fracture.....                          | 12              | 16.7                | 7.7  | ---- | 33.3    | 13.6 | ---- | 33.3     | 17.5 | ---- |
| Sepsis.....                                | 3               | 33.3                | 21.2 | ---- | 33.3    | 29.6 | ---- | 66.7     | 34.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 8               | 0.0                 | 1.7  | ---- | 12.5    | 3.5  | ---- | 12.5     | 4.9  | ---- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 12.2 | ---- | 33.3    | 21.1 | ---- | 33.3     | 26.9 | ---- |
| Prostatectomy.....                         | 10              | 0.0                 | 1.2  | ---- | 0.0     | 2.5  | ---- | 0.0      | 4.0  | ---- |
| Cholecystectomy.....                       | 4               | 0.0                 | 1.1  | ---- | 0.0     | 1.9  | ---- | 0.0      | 2.7  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.5  | ---- | 0.0     | 1.0  | ---- | 0.0      | 1.5  | ---- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NORTHFIELD CITY HOSPITAL

Medicare Provider Number: 240014

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.4 years  
Proportion female..... 62.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 93.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.3 %  
Admitted for emergency..... 2.4 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 36.2 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 1.2 %  
Chronic pulmonary disease..... 10.4 %  
Cerebrovascular degeneration..... 8.3 %  
Diabetes mellitus..... 3.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.8%  
State ..... 14.8%  
Outside State ..... 2.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 69  
Occupancy Rate ..... 75.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 41.5 %  
Case Mix Index (CMI) ..... 1.1273

### STAFFING:

Total Number of Physicians..... 70  
Percent of Physicians Board  
Certified Specialists..... 97.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 43  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# NORTHWEST MEDICAL CENTER

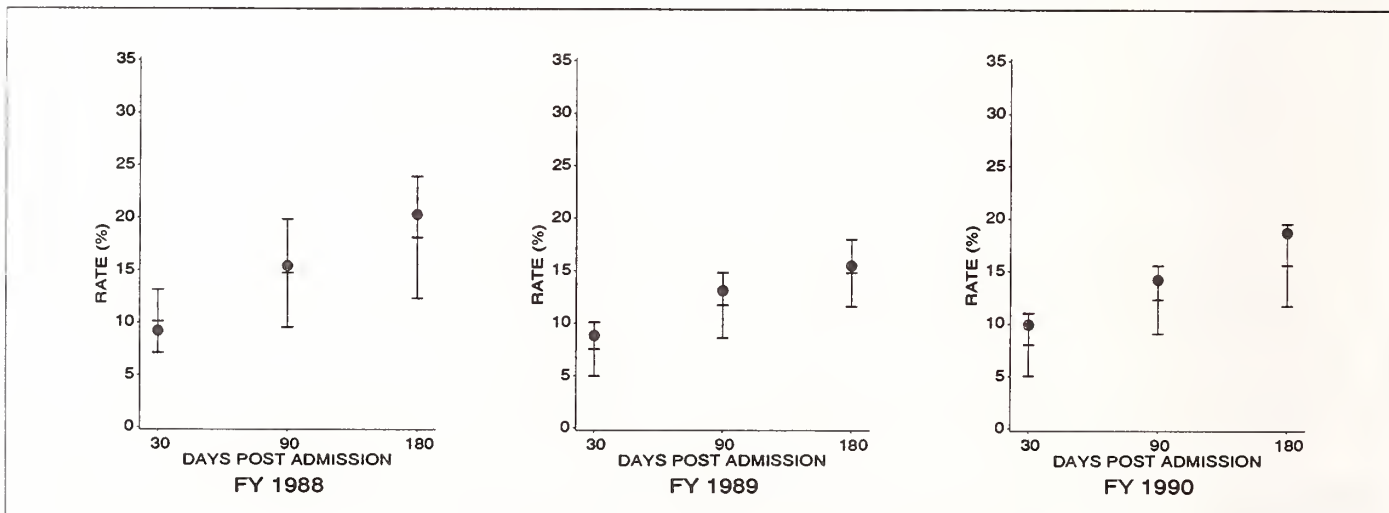
120 LABREE AVE S  
THIEF RIVER FALLS, MN 56701  
Medicare Provider Number: 240017

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 646             | 9.9                 | 8.0  | 1.5   | 14.2    | 12.3 | 1.6   | 18.7     | 15.6 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 26              | 30.8                | 20.7 | ----- | 34.6    | 23.6 | ----- | 34.6     | 26.5 | ----- |
| Congestive Heart Failure.....              | 34              | 14.7                | 15.0 | ----- | 32.4    | 24.1 | ----- | 38.2     | 30.7 | ----- |
| Pneumonia/Influenza.....                   | 43              | 9.3                 | 11.1 | ----- | 11.6    | 15.1 | ----- | 18.6     | 18.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 0.0                 | 4.6  | ----- | 12.5    | 9.4  | ----- | 25.0     | 13.5 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.2  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.3  | ----- |
| Stroke.....                                | 36              | 11.1                | 18.9 | ----- | 22.2    | 26.3 | ----- | 22.2     | 30.7 | ----- |
| Hip Fracture.....                          | 26              | 19.2                | 6.9  | ----- | 26.9    | 12.2 | ----- | 26.9     | 16.1 | ----- |
| Sepsis.....                                | 3               | 33.3                | 15.6 | ----- | 33.3    | 27.6 | ----- | 33.3     | 34.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 20              | 15.0                | 6.2  | ----- | 25.0    | 10.7 | ----- | 25.0     | 13.9 | ----- |
| Open Reduction of Hip Fracture.....        | 10              | 20.0                | 4.7  | ----- | 20.0    | 9.4  | ----- | 20.0     | 13.1 | ----- |
| Prostatectomy.....                         | 46              | 0.0                 | 0.7  | ----- | 2.2     | 1.7  | ----- | 2.2      | 3.0  | ----- |
| Cholecystectomy.....                       | 16              | 6.3                 | 2.0  | ----- | 6.3     | 3.8  | ----- | 18.8     | 5.4  | ----- |
| Hysterectomy.....                          | 12              | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NORTHWEST MEDICAL CENTER

Medicare Provider Number: 240017

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
 Proportion female..... 49.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 95.0 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 45.0 %  
 Admitted for emergency..... 3.3 %

### COMORBIDITIES:

Cancer..... 7.4 %  
 Chronic cardiovascular disease..... 32.2 %  
 Chronic liver disease..... 0.5 %  
 Chronic renal disease..... 2.8 %  
 Chronic pulmonary disease..... 13.6 %  
 Cerebrovascular degeneration..... 4.5 %  
 Diabetes mellitus..... 5.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 53.9%  
 State ..... 44.0%  
 Outside State ..... 2.1%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.8 Days  
 State ..... 6.6 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 190  
 Occupancy Rate ..... 61.0 %  
 Ownership/Control..... Private, Non-Profit  
 Medicare Discharges ..... 47.3 %  
 Case Mix Index (CMI) ..... 1.1806

### STAFFING:

Total Number of Physicians..... 40  
 Percent of Physicians Board  
 Certified Specialists..... 95.0 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 55  
 Licensed Practical Nurses ..... 43

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... Yes  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# OLMSTED COMMUNITY HOSPITAL

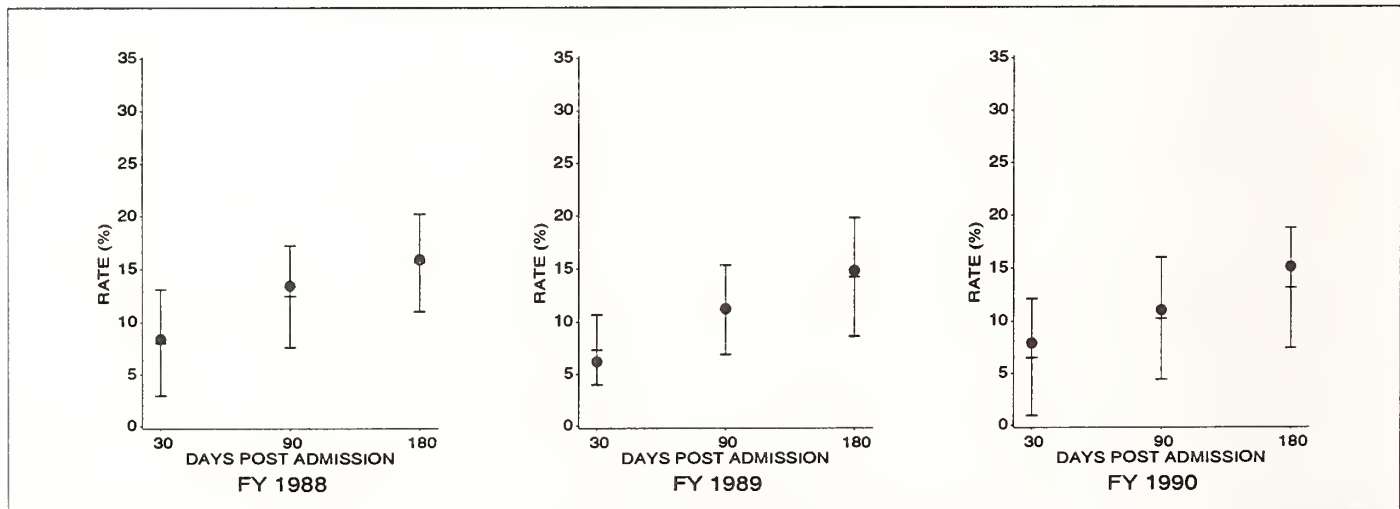
1650 4TH STREET SE  
ROCHESTER, MN 55904  
Medicare Provider Number: 240006

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 318             | 7.9                 | 6.5  | 2.8  | 11.0    | 10.2 | 2.9  | 15.1     | 13.1 | 2.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 9               | 0.0                 | 14.7 | ---- | 0.0     | 18.0 | ---- | 0.0      | 21.2 | ---- |
| Congestive Heart Failure.....              | 22              | 22.7                | 14.2 | ---- | 40.9    | 22.1 | ---- | 45.5     | 28.3 | ---- |
| Pneumonia/Influenza.....                   | 27              | 14.8                | 15.2 | ---- | 14.8    | 21.2 | ---- | 22.2     | 25.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 16.7                | 10.9 | ---- | 33.3    | 19.2 | ---- | 50.0     | 25.7 | ---- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 2.0  | ---- | 0.0     | 4.3  | ---- | 0.0      | 6.9  | ---- |
| Stroke.....                                | 6               | 33.3                | 17.2 | ---- | 33.3    | 23.3 | ---- | 33.3     | 26.9 | ---- |
| Hip Fracture.....                          | 14              | 14.3                | 4.8  | ---- | 14.3    | 8.5  | ---- | 28.6     | 11.7 | ---- |
| Sepsis.....                                | 2               | 0.0                 | 20.9 | ---- | 0.0     | 30.4 | ---- | 0.0      | 35.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 12              | 0.0                 | 2.3  | ---- | 0.0     | 4.2  | ---- | 0.0      | 5.7  | ---- |
| Open Reduction of Hip Fracture.....        | 2               | 50.0                | 2.5  | ---- | 50.0    | 5.4  | ---- | 50.0     | 7.6  | ---- |
| Prostatectomy.....                         | 11              | 0.0                 | 1.2  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.9  | ---- |
| Cholecystectomy.....                       | 12              | 0.0                 | 0.7  | ---- | 0.0     | 1.3  | ---- | 0.0      | 1.7  | ---- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# OLMSTED COMMUNITY HOSPITAL

Medicare Provider Number: 240006

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.3 years  
Proportion female..... 60.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 68.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 22.6 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 3.5 %  
Chronic cardiovascular disease..... 38.1 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 13.2 %  
Cerebrovascular degeneration..... 6.3 %  
Diabetes mellitus..... 5.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 50.6%  
State ..... 45.8%  
Outside State ..... 3.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 48  
Occupancy Rate ..... 39.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 21.6 %  
Case Mix Index (CMI) ..... 1.1353

### STAFFING:

Total Number of Physicians..... 56  
Percent of Physicians Board  
Certified Specialists ..... 80.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 53  
Licensed Practical Nurses ..... 10

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ORTONVILLE MUNICIPAL HOSPITAL

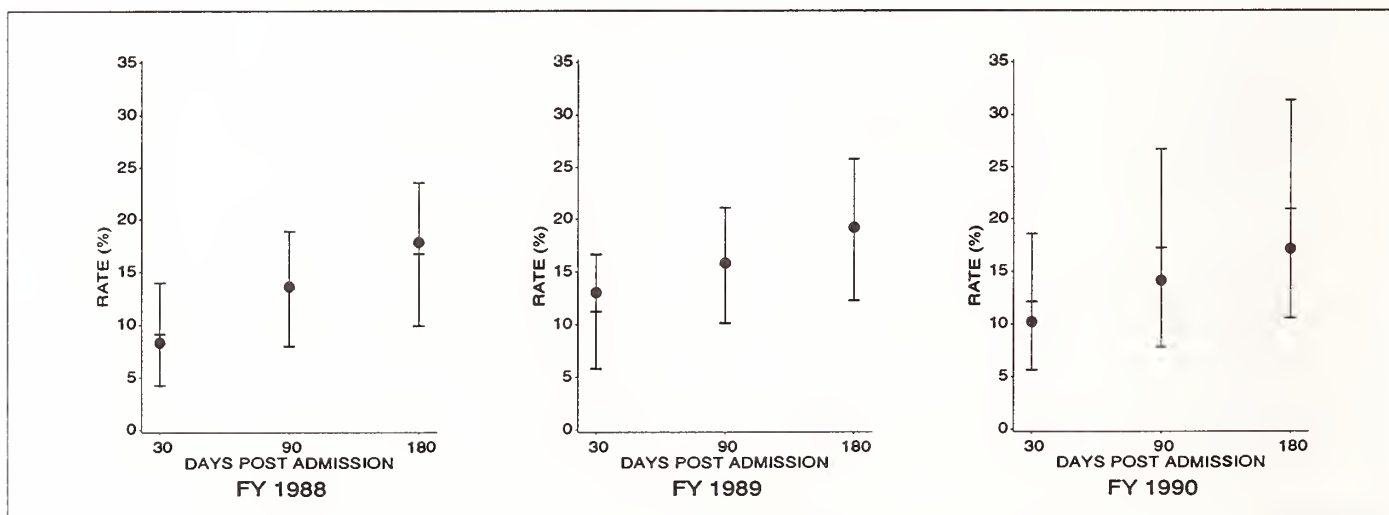
750 EASTVOLD AVE  
ORTONVILLE, MN 56278  
Medicare Provider Number: 240111

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 205             | 10.2                | 12.1 | 3.2   | 14.1    | 17.2 | 4.7   | 17.1     | 20.9 | 5.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 13              | 46.2                | 35.6 | ----- | 46.2    | 39.2 | ----- | 46.2     | 43.1 | ----- |
| Congestive Heart Failure.....              | 13              | 23.1                | 13.7 | ----- | 38.5    | 21.6 | ----- | 53.8     | 28.5 | ----- |
| Pneumonia/Influenza.....                   | 26              | 0.0                 | 11.9 | ----- | 3.8     | 16.8 | ----- | 7.7      | 20.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 7.3  | ----- | 0.0     | 15.3 | ----- | 33.3     | 21.9 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.6  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.6  | ----- |
| Stroke.....                                | 10              | 40.0                | 23.5 | ----- | 40.0    | 31.6 | ----- | 40.0     | 36.4 | ----- |
| Hip Fracture.....                          | 3               | 0.0                 | 5.3  | ----- | 0.0     | 9.7  | ----- | 0.0      | 12.9 | ----- |
| Sepsis.....                                | 1               | 0.0                 | 22.8 | ----- | 0.0     | 32.1 | ----- | 0.0      | 39.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 4.8  | ----- | 0.0     | 9.0  | ----- | 0.0      | 12.2 | ----- |
| Prostatectomy.....                         | 4               | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.9  | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 5.0  | ----- | 25.0    | 9.9  | ----- | 25.0     | 13.2 | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ORTONVILLE MUNICIPAL HOSPITAL

Medicare Provider Number: 240111

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.5 years

Proportion female..... 53.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.2 %

Transferred from skilled nursing facility..... 8.3 %

Admitted for elective procedure..... 4.9 %

Admitted for emergency..... 1.0 %

### COMORBIDITIES:

Cancer..... 5.4 %

Chronic cardiovascular disease..... 29.8 %

Chronic liver disease..... 0.5 %

Chronic renal disease..... 0.5 %

Chronic pulmonary disease..... 15.6 %

Cerebrovascular degeneration..... 5.9 %

Diabetes mellitus..... 9.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 70.5%

State ..... 8.7%

Outside State ..... 20.8%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.2 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 31

Ownership/Control..... Local Government

Case Mix Index (CMI) ..... 1.0501

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 8

Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... Yes

Hospice Care ..... Yes

Intensive Care Unit ..... No

Organ Transplant ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PARKERS PRAIRIE DISTRICT HOSPITAL

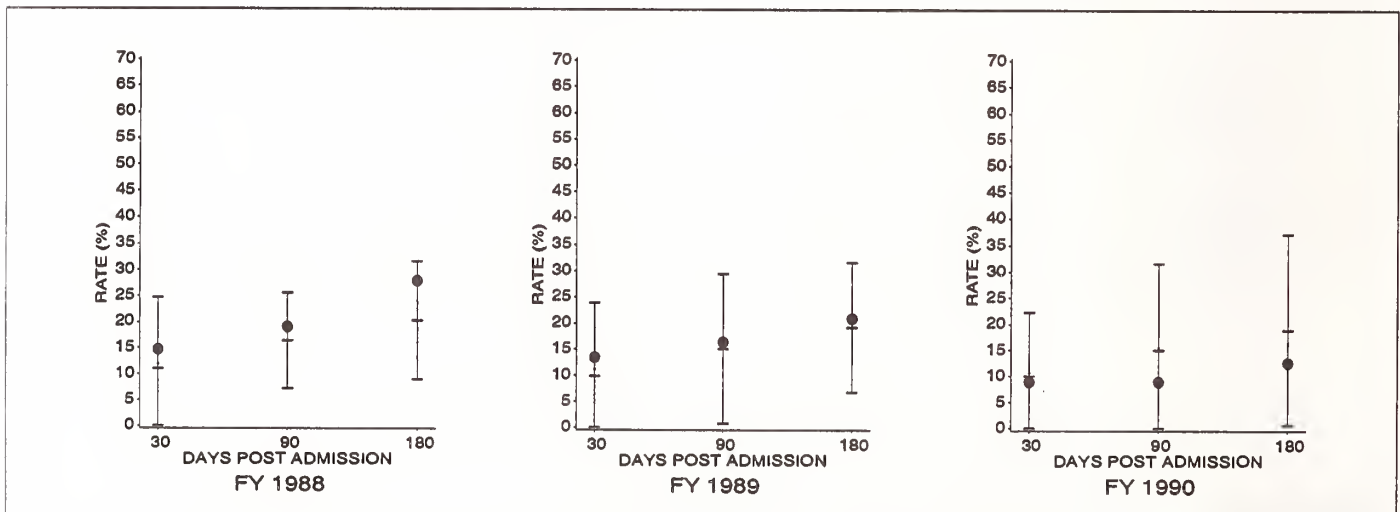
310 NORTH CLAYBORN AVENUE  
PARKERS PRAIRIE, MN 56361  
Medicare Provider Number: 240167

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 56              | 8.9                 | 10.0 | 6.1   | 8.9     | 15.0 | 8.3   | 12.5     | 18.8 | 9.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1               | 0.0                 | 12.1 | ----- | 0.0     | 13.6 | ----- | 0.0      | 15.1 | ----- |
| Congestive Heart Failure.....              | 4               | 0.0                 | 13.7 | ----- | 0.0     | 21.7 | ----- | 0.0      | 27.4 | ----- |
| Pneumonia/Influenza.....                   | 8               | 12.5                | 16.1 | ----- | 12.5    | 23.1 | ----- | 12.5     | 28.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 4.9  | ----- | 0.0     | 8.7  | ----- | 0.0      | 13.2 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 4               | 50.0                | 27.7 | ----- | 50.0    | 32.5 | ----- | 50.0     | 36.2 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 19.2 | ----- | 0.0     | 22.4 | ----- | 0.0      | 26.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.6  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.5  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PARKERS PRAIRIE DISTRICT HOSPITAL

Medicare Provider Number: 240167

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.9 years  
Proportion female..... 48.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.5 %  
Transferred from skilled nursing facility..... 3.6 %  
Admitted for elective procedure..... 1.8 %  
Admitted for emergency..... 1.8 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 16.1 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.6 %  
Chronic pulmonary disease..... 10.7 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 3.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 69.0%  
State..... 29.0%  
Outside State..... 2.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.4 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 21  
Ownership/Control..... District/Authority  
Case Mix Index (CMI)..... 0.8474

### STAFFING:

Medical Residents/Interns..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses..... 1

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... Yes  
Hospice Care..... No  
Intensive Care Unit..... No  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PAYNESVILLE COMMUNITY HOSPITAL

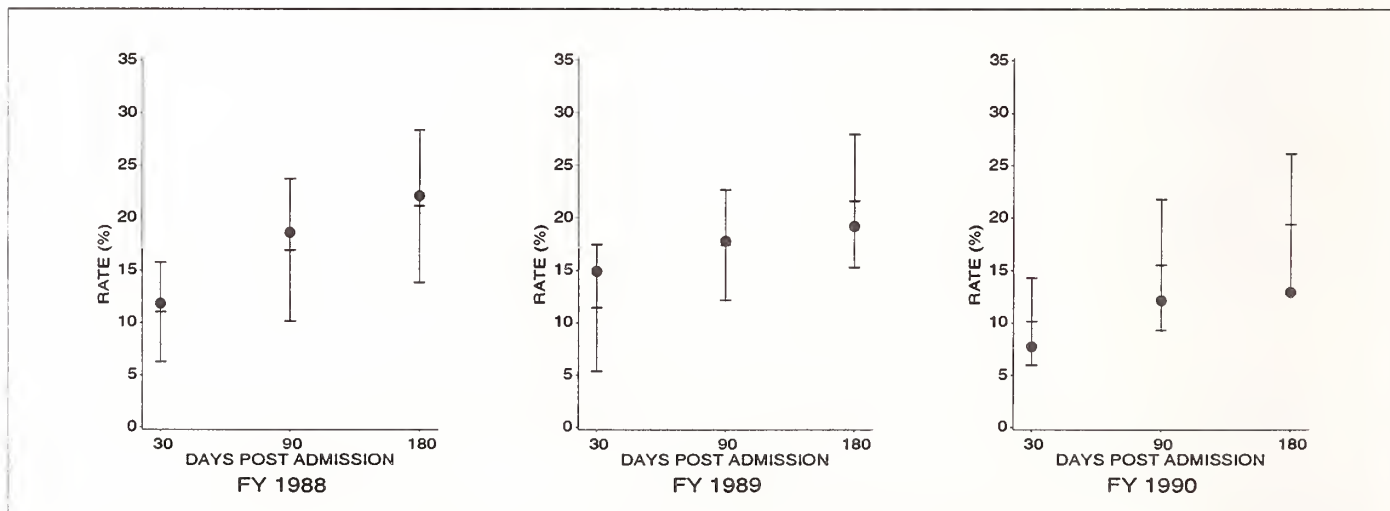
200 FIRST STREET WEST  
PAYNESVILLE, MN 56362  
Medicare Provider Number: 240122

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 248             | 7.7                 | 10.1 | 2.1  | 12.1    | 15.5 | 3.1  | 12.9     | 19.4 | 3.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 60.0                | 46.4 | ---- | 60.0    | 51.3 | ---- | 60.0     | 55.6 | ---- |
| Congestive Heart Failure.....              | 12              | 16.7                | 14.9 | ---- | 16.7    | 23.0 | ---- | 16.7     | 29.7 | ---- |
| Pneumonia/Influenza.....                   | 20              | 10.0                | 15.0 | ---- | 15.0    | 20.9 | ---- | 15.0     | 24.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 7.3  | ---- | 0.0     | 12.8 | ---- | 0.0      | 18.0 | ---- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 0.9  | ---- | 0.0     | 2.2  | ---- | 20.0     | 3.8  | ---- |
| Stroke.....                                | 11              | 36.4                | 21.7 | ---- | 36.4    | 30.7 | ---- | 36.4     | 35.9 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 4               | 0.0                 | 12.2 | ---- | 0.0     | 17.6 | ---- | 0.0      | 22.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 6               | 0.0                 | 1.0  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.3  | ---- |
| Cholecystectomy.....                       | 9               | 0.0                 | 2.2  | ---- | 0.0     | 3.7  | ---- | 0.0      | 4.8  | ---- |
| Hysterectomy.....                          | 4               | 0.0                 | 1.8  | ---- | 0.0     | 4.0  | ---- | 0.0      | 6.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PAYNESVILLE COMMUNITY HOSPITAL

Medicare Provider Number: 240122

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.2 years  
Proportion female..... 54.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 58.9 %  
Transferred from skilled nursing facility..... 6.9 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 3.2 %

### COMORBIDITIES:

Cancer..... 6.9 %  
Chronic cardiovascular disease..... 33.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.2 %  
Chronic pulmonary disease..... 9.7 %  
Cerebrovascular degeneration..... 4.4 %  
Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 63.9%  
State ..... 34.6%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 94  
Occupancy Rate ..... 75.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 45.6 %  
Case Mix Index (CMI) ..... 1.0896

### STAFFING:

Total Number of Physicians..... 6  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 15  
Licensed Practical Nurses ..... 10

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# **PELICAN VALLEY HEALTH CENTER**

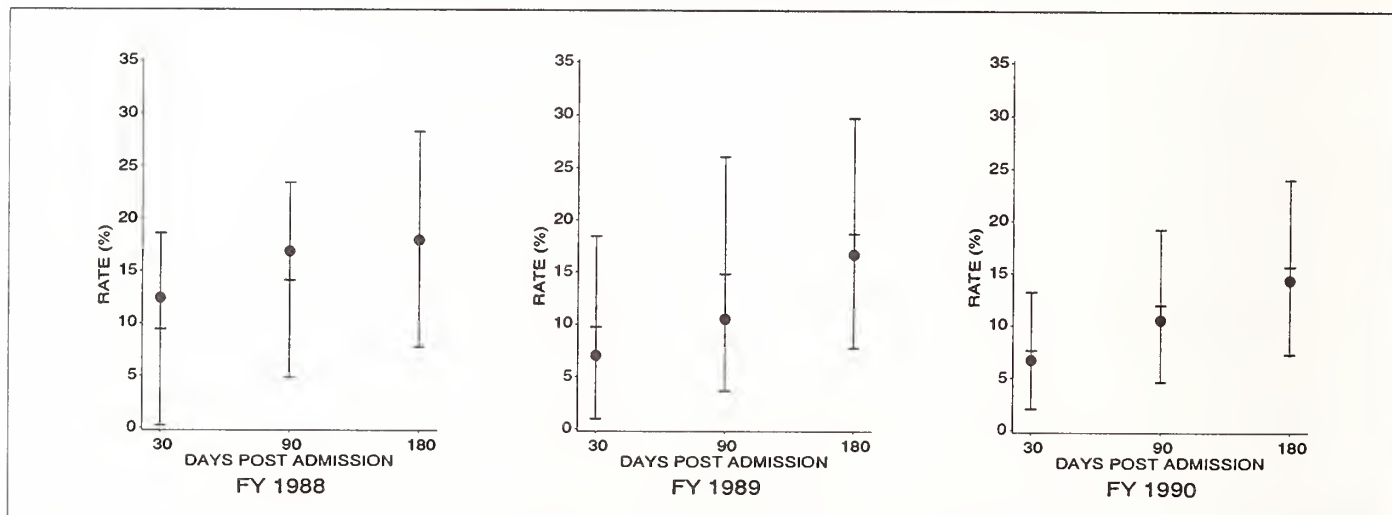
211 E MILL STREET  
PELICAN RAPIDS, MN 56572  
Medicare Provider Number: 240140

## **FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 105                | 6.7                 | 7.6  | 2.8   | 10.5    | 11.9 | 3.6   | 14.3     | 15.6 | 4.2   |
| <b>CONDITIONS:</b>                         |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2                  | 50.0                | 34.9 | ----- | 50.0    | 37.5 | ----- | 50.0     | 40.3 | ----- |
| Congestive Heart Failure.....              | 6                  | 16.7                | 14.1 | ----- | 16.7    | 21.0 | ----- | 33.3     | 26.6 | ----- |
| Pneumonia/Influenza.....                   | 10                 | 10.0                | 16.1 | ----- | 10.0    | 20.8 | ----- | 20.0     | 24.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 8.9  | ----- | 0.0     | 14.1 | ----- | 0.0      | 17.8 | ----- |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 1.6  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.6  | ----- |
| Stroke.....                                | 1                  | 0.0                 | 25.2 | ----- | 100.0   | 35.5 | ----- | 100.0    | 40.5 | ----- |
| Hip Fracture.....                          | 1                  | 100.0               | 10.1 | ----- | 100.0   | 17.7 | ----- | 100.0    | 23.8 | ----- |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| <b>PROCEDURES:</b>                         |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## **OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# PELICAN VALLEY HEALTH CENTER

Medicare Provider Number: 240140

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.6 years  
Proportion female..... 57.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 9.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 43.8 %

### COMORBIDITIES:

Cancer..... 2.9 %  
Chronic cardiovascular disease..... 47.6 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.0 %  
Chronic pulmonary disease..... 14.3 %  
Cerebrovascular degeneration..... 8.6 %  
Diabetes mellitus..... 4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.0%  
State ..... 9.0%  
Outside State ..... 4.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 13  
Ownership/Control..... District/Authority  
Case Mix Index (CMI) ..... 0.8456

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PIPESTONE COUNTY MEDICAL CENTER

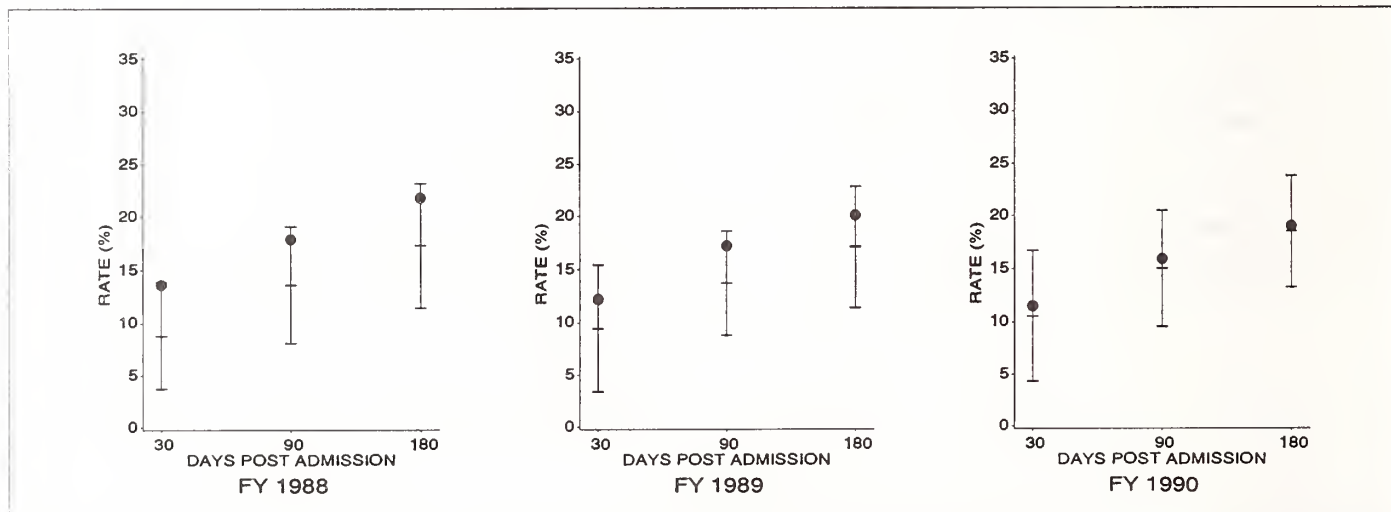
911 FIFTH AVE SW  
PIPESTONE, MN 56164  
Medicare Provider Number: 240123

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 252             | 11.5                | 10.5 | 3.1   | 15.9    | 15.0 | 2.7   | 19.0     | 18.5 | 2.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 12              | 25.0                | 39.7 | ----- | 33.3    | 43.1 | ----- | 33.3     | 46.0 | ----- |
| Congestive Heart Failure.....              | 17              | 5.9                 | 13.2 | ----- | 11.8    | 20.8 | ----- | 29.4     | 26.3 | ----- |
| Pneumonia/Influenza.....                   | 19              | 26.3                | 16.0 | ----- | 31.6    | 22.0 | ----- | 36.8     | 25.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 0.0                 | 6.2  | ----- | 0.0     | 10.5 | ----- | 0.0      | 13.8 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 1.9  | ----- | 0.0     | 4.1  | ----- | 0.0      | 7.3  | ----- |
| Stroke.....                                | 16              | 31.3                | 23.8 | ----- | 43.8    | 31.0 | ----- | 43.8     | 35.3 | ----- |
| Hip Fracture.....                          | 4               | 0.0                 | 5.3  | ----- | 0.0     | 9.5  | ----- | 0.0      | 12.6 | ----- |
| Sepsis.....                                | 2               | 100.0               | 35.8 | ----- | 100.0   | 41.4 | ----- | 100.0    | 45.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 2.6  | ----- | 0.0     | 5.4  | ----- | 0.0      | 7.5  | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 11.5 | ----- | 0.0     | 19.8 | ----- | 0.0      | 26.1 | ----- |
| Prostatectomy.....                         | 9               | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.3  | ----- |
| Cholecystectomy.....                       | 6               | 0.0                 | 1.6  | ----- | 0.0     | 2.7  | ----- | 0.0      | 3.7  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 1.2  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PIPESTONE COUNTY MEDICAL CENTER

Medicare Provider Number: 240123

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.3 years  
Proportion female..... 59.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 65.1 %  
Transferred from skilled nursing facility..... 0.8 %  
Admitted for elective procedure..... 48.4 %  
Admitted for emergency..... 50.8 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 38.5 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 0.4 %  
Chronic pulmonary disease..... 9.9 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 4.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 80.6%  
State ..... 13.8%  
Outside State ..... 5.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 87  
Occupancy Rate ..... 60.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 50.3 %  
Case Mix Index (CMI) ..... 1.0475

### STAFFING:

Total Number of Physicians..... 8  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 14  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# QUEEN OF PEACE HOSPITAL

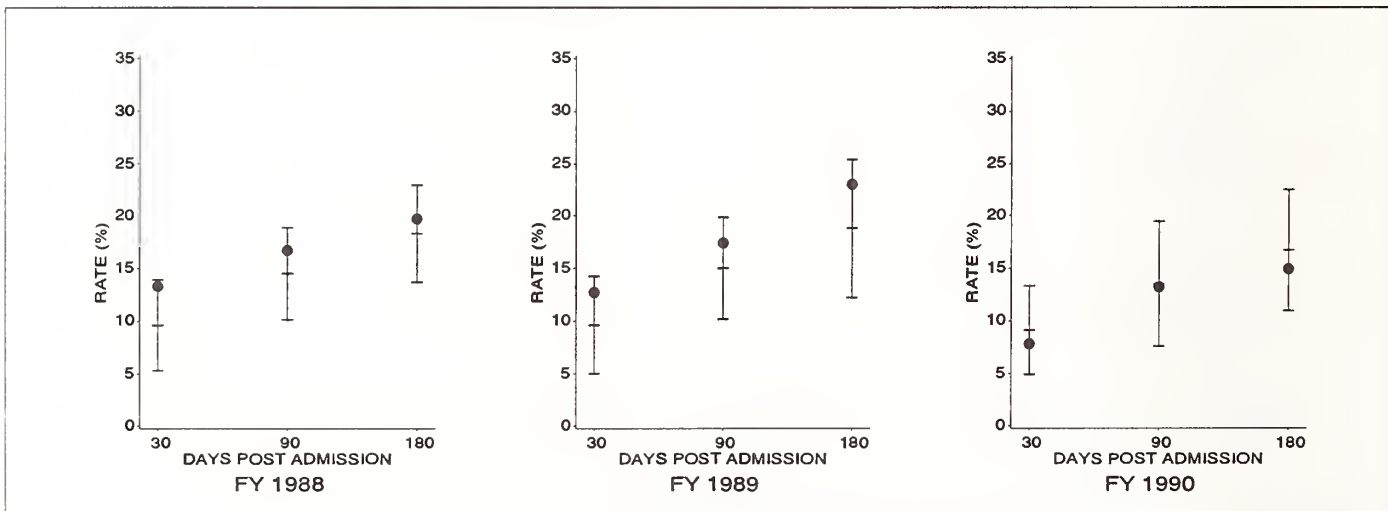
301 2ND ST NE  
NEW PRAGUE, MN 56071  
Medicare Provider Number: 240037

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 423             | 7.8                 | 9.1  | 2.1  | 13.2    | 13.5 | 3.0  | 14.9     | 16.7 | 2.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 11              | 45.5                | 30.1 | ---- | 54.5    | 33.1 | ---- | 54.5     | 36.6 | ---- |
| Congestive Heart Failure.....              | 25              | 8.0                 | 16.3 | ---- | 28.0    | 25.8 | ---- | 32.0     | 32.4 | ---- |
| Pneumonia/Influenza.....                   | 25              | 0.0                 | 14.4 | ---- | 12.0    | 19.7 | ---- | 16.0     | 23.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 6.9  | ---- | 25.0    | 12.6 | ---- | 25.0     | 16.9 | ---- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 2.1  | ---- | 0.0     | 5.1  | ---- | 0.0      | 8.2  | ---- |
| Stroke.....                                | 28              | 21.4                | 19.9 | ---- | 25.0    | 26.5 | ---- | 28.6     | 30.8 | ---- |
| Hip Fracture.....                          | 20              | 5.0                 | 7.6  | ---- | 15.0    | 12.5 | ---- | 15.0     | 16.0 | ---- |
| Sepsis.....                                | 2               | 0.0                 | 34.0 | ---- | 0.0     | 38.8 | ---- | 0.0      | 41.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 11              | 0.0                 | 3.1  | ---- | 0.0     | 5.3  | ---- | 0.0      | 7.2  | ---- |
| Open Reduction of Hip Fracture.....        | 11              | 9.1                 | 8.3  | ---- | 27.3    | 14.4 | ---- | 27.3     | 18.4 | ---- |
| Prostatectomy.....                         | 13              | 0.0                 | 0.4  | ---- | 0.0     | 0.8  | ---- | 0.0      | 1.3  | ---- |
| Cholecystectomy.....                       | 9               | 0.0                 | 1.1  | ---- | 0.0     | 2.1  | ---- | 0.0      | 2.9  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# QUEEN OF PEACE HOSPITAL

Medicare Provider Number: 240037

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.7 years  
Proportion female..... 61.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.2 %  
Admitted for emergency..... 0.2 %

### COMORBIDITIES:

Cancer..... 6.1 %  
Chronic cardiovascular disease..... 31.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 5.9 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 4.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 50.0%  
State..... 47.8%  
Outside State..... 2.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.1 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 40  
Occupancy Rate..... 35.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 41.7 %  
Case Mix Index (CMI)..... 1.0709

### STAFFING:

Total Number of Physicians..... 14  
Percent of Physicians Board  
Certified Specialists..... 92.9 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 33  
Licensed Practical Nurses..... 8

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# RED LAKE HOSPITAL

REDLAKE, MN 56671  
Medicare Provider Number: 240206

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 44                 | 9.1                 | 10.0 | ---- | 13.6    | 16.3 | ---- | 15.9     | 20.7 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 3                  | 33.3                | 12.1 | ---- | 33.3    | 19.7 | ---- | 33.3     | 24.3 | ---- |
| Pneumonia/Influenza.....                   | 5                  | 0.0                 | 27.3 | ---- | 0.0     | 39.0 | ---- | 0.0      | 45.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# RED LAKE HOSPITAL

Medicare Provider Number: 240206

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.7 years

Proportion female..... 38.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 2.3 %

Transferred from skilled nursing facility..... 2.3 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 95.5 %

### COMORBIDITIES:

Cancer..... 4.5 %

Chronic cardiovascular disease..... 34.1 %

Chronic liver disease..... 4.5 %

Chronic renal disease..... 6.8 %

Chronic pulmonary disease..... 9.1 %

Cerebrovascular degeneration..... 0.0 %

Diabetes mellitus..... 40.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 94.9%

State ..... 4.1%

Outside State ..... 1.0%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.4 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 23

Occupancy Rate ..... 39.0 %

Ownership/Control..... Federal Government

Medicare Discharges .....(Not Available)

Case Mix Index (CMI) ..... 0.8518

### STAFFING:

Total Number of Physicians..... 6

Percent of Physicians Board  
Certified Specialists ..... 83.3 %

Medical Residents/Interns ..... 0

Registered Nurses ..... 20

Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... No

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# REDWOOD FALLS MUNICIPAL HOSPITAL

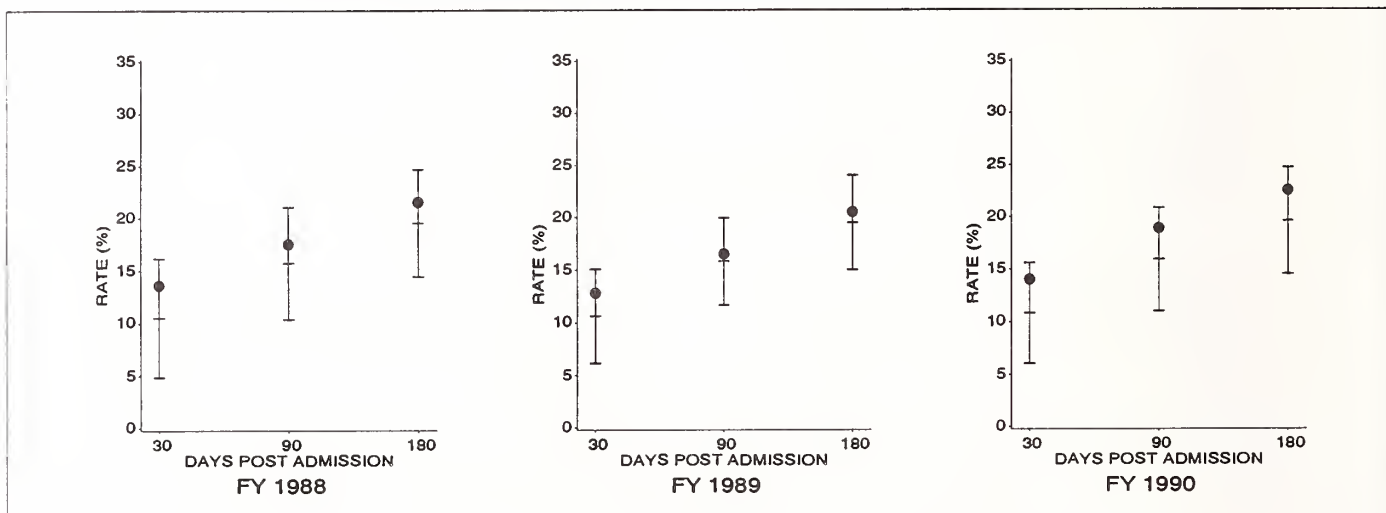
100 FALLWOOD RD  
REDWOOD FALLS, MN 56283  
Medicare Provider Number: 240124

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 365                | 14.0                | 10.8 | 2.4   | 18.9    | 15.9 | 2.5   | 22.5     | 19.6 | 2.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19                 | 36.8                | 27.5 | ----- | 36.8    | 30.2 | ----- | 36.8     | 33.0 | ----- |
| Congestive Heart Failure.....              | 23                 | 17.4                | 15.6 | ----- | 26.1    | 24.2 | ----- | 26.1     | 30.6 | ----- |
| Pneumonia/Influenza.....                   | 33                 | 27.3                | 14.9 | ----- | 27.3    | 21.4 | ----- | 27.3     | 25.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 0.0                 | 7.4  | ----- | 0.0     | 14.6 | ----- | 20.0     | 20.5 | ----- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 1.2  | ----- | 25.0    | 2.9  | ----- | 25.0     | 4.7  | ----- |
| Stroke.....                                | 20                 | 20.0                | 18.6 | ----- | 25.0    | 25.1 | ----- | 35.0     | 29.2 | ----- |
| Hip Fracture.....                          | 6                  | 33.3                | 6.5  | ----- | 50.0    | 11.6 | ----- | 50.0     | 15.0 | ----- |
| Sepsis.....                                | 7                  | 42.9                | 24.7 | ----- | 42.9    | 31.8 | ----- | 42.9     | 36.4 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 5                  | 40.0                | 5.8  | ----- | 40.0    | 10.5 | ----- | 40.0     | 13.8 | ----- |
| Prostatectomy.....                         | 1                  | 0.0                 | 4.6  | ----- | 0.0     | 9.9  | ----- | 0.0      | 14.9 | ----- |
| Cholecystectomy.....                       | 7                  | 0.0                 | 1.8  | ----- | 0.0     | 3.0  | ----- | 0.0      | 3.8  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# REDWOOD FALLS MUNICIPAL HOSPITAL

Medicare Provider Number: 240124

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.3 years  
Proportion female..... 57.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.5 %  
Admitted for emergency..... 1.9 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 26.8 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 10.1 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 9.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.1%  
State ..... 20.0%  
Outside State ..... 0.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 35  
Occupancy Rate ..... 31.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 53.9 %  
Case Mix Index (CMI) ..... 1.0665

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 24  
Licensed Practical Nurses ..... 16

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# REGINA MEDICAL COMPLEX

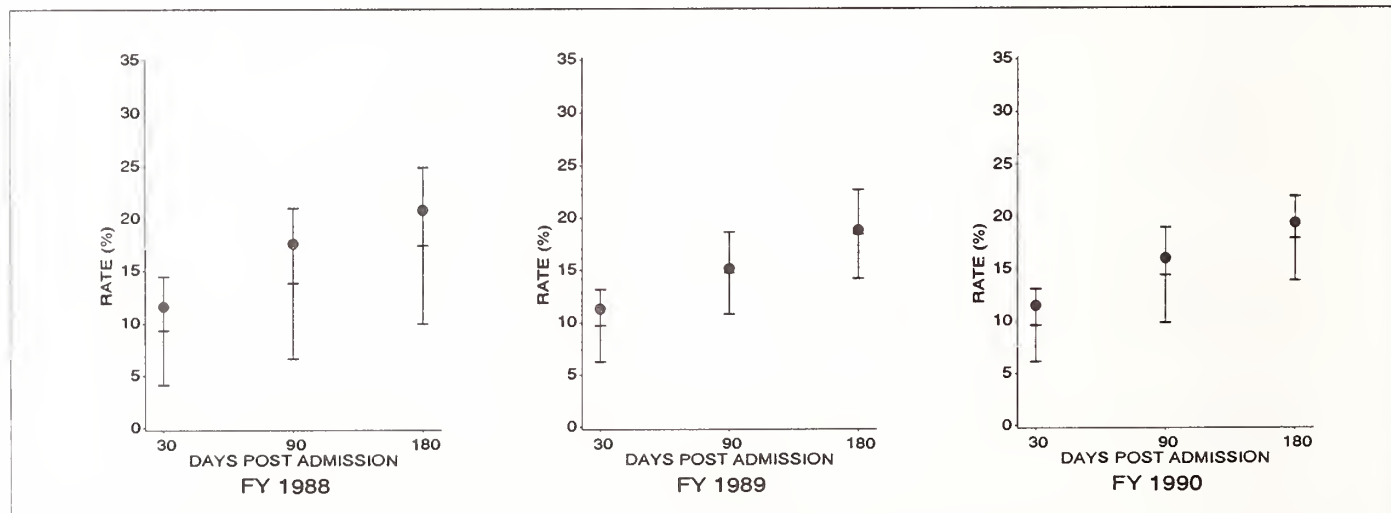
1175 NININGER ROAD  
HASTINGS, MN 55033  
Medicare Provider Number: 240059

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 382                | 11.5                | 9.6  | 1.7   | 16.0    | 14.4 | 2.3   | 19.4     | 17.9 | 2.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15                 | 13.3                | 26.6 | ----- | 26.7    | 30.8 | ----- | 33.3     | 33.8 | ----- |
| Congestive Heart Failure.....              | 8                  | 12.5                | 20.5 | ----- | 12.5    | 27.3 | ----- | 12.5     | 33.0 | ----- |
| Pneumonia/Influenza.....                   | 15                 | 6.7                 | 10.6 | ----- | 6.7     | 14.4 | ----- | 13.3     | 17.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11                 | 27.3                | 8.0  | ----- | 27.3    | 14.6 | ----- | 27.3     | 19.8 | ----- |
| Transient Cerebral Ischemia.....           | 7                  | 0.0                 | 2.0  | ----- | 0.0     | 4.8  | ----- | 0.0      | 8.0  | ----- |
| Stroke.....                                | 21                 | 19.0                | 16.8 | ----- | 19.0    | 22.6 | ----- | 23.8     | 26.6 | ----- |
| Hip Fracture.....                          | 20                 | 10.0                | 8.2  | ----- | 15.0    | 15.4 | ----- | 15.0     | 20.2 | ----- |
| Sepsis.....                                | 7                  | 28.6                | 27.9 | ----- | 28.6    | 35.4 | ----- | 42.9     | 40.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 1.3  | ----- | 0.0     | 3.0  | ----- | 0.0      | 4.8  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9                  | 0.0                 | 3.4  | ----- | 11.1    | 7.0  | ----- | 11.1     | 9.6  | ----- |
| Open Reduction of Hip Fracture.....        | 14                 | 14.3                | 8.1  | ----- | 14.3    | 15.5 | ----- | 14.3     | 20.6 | ----- |
| Prostatectomy.....                         | 16                 | 0.0                 | 1.1  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.7  | ----- |
| Cholecystectomy.....                       | 9                  | 11.1                | 0.5  | ----- | 11.1    | 1.0  | ----- | 11.1     | 1.4  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# REGINA MEDICAL COMPLEX

Medicare Provider Number: 240059

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years

Proportion female..... 56.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 55.2 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 24.6 %

Admitted for emergency..... 45.8 %

### COMORBIDITIES:

Cancer..... 6.5 %

Chronic cardiovascular disease..... 31.2 %

Chronic liver disease..... 0.5 %

Chronic renal disease..... 3.7 %

Chronic pulmonary disease..... 11.0 %

Cerebrovascular degeneration..... 9.9 %

Diabetes mellitus..... 10.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 67.3%

State ..... 16.4%

Outside State ..... 16.3%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.2 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 102

Occupancy Rate ..... 76.0 %

Ownership/Control..... Church

Medicare Discharges ..... 17.4 %

Case Mix Index (CMI) ..... 1.0993

### STAFFING:

Total Number of Physicians..... 28

Percent of Physicians Board  
Certified Specialists..... 96.4 %

Medical Residents/Interns ..... 0

Registered Nurses..... 37

Licensed Practical Nurses..... 10

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# RENVILLE COUNTY HOSPITAL

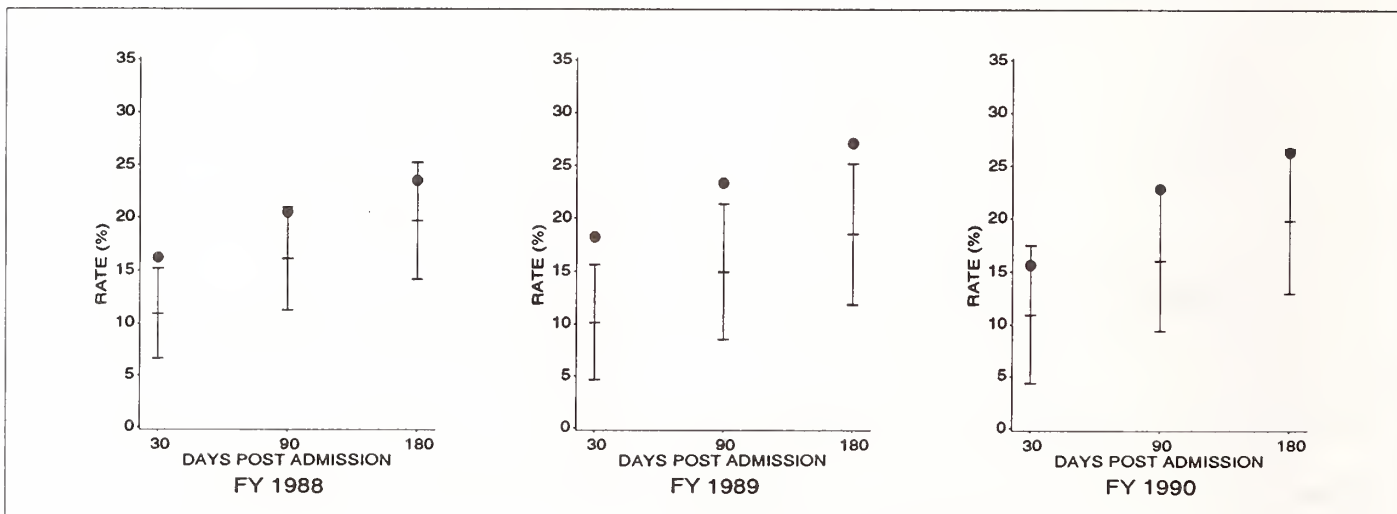
611 EAST FAIRVIEW  
OLIVIA, MN 56277  
Medicare Provider Number: 240173

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 224             | 15.6                | 10.9 | 3.3   | 22.8    | 16.0 | 3.3   | 26.3     | 19.8 | 3.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15              | 6.7                 | 30.5 | ----- | 20.0    | 33.7 | ----- | 20.0     | 37.3 | ----- |
| Congestive Heart Failure.....              | 17              | 29.4                | 15.7 | ----- | 35.3    | 24.8 | ----- | 47.1     | 31.7 | ----- |
| Pneumonia/Influenza.....                   | 15              | 33.3                | 12.6 | ----- | 40.0    | 16.9 | ----- | 40.0     | 20.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 8.1  | ----- | 0.0     | 14.8 | ----- | 0.0      | 20.0 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 2.9  | ----- | 0.0     | 5.8  | ----- | 0.0      | 9.5  | ----- |
| Stroke.....                                | 11              | 45.5                | 20.7 | ----- | 45.5    | 28.9 | ----- | 54.5     | 33.8 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 3.8  | ----- | 0.0     | 7.0  | ----- | 0.0      | 9.7  | ----- |
| Sepsis.....                                | 2               | 0.0                 | 26.4 | ----- | 50.0    | 42.0 | ----- | 50.0     | 52.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 3.3  | ----- | 0.0     | 6.3  | ----- | 0.0      | 9.0  | ----- |
| Prostatectomy.....                         | 3               | 0.0                 | 0.6  | ----- | 0.0     | 1.2  | ----- | 0.0      | 2.0  | ----- |
| Cholecystectomy.....                       | 6               | 0.0                 | 1.4  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.8  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RENVILLE COUNTY HOSPITAL

Medicare Provider Number: 240173

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.3 years

Proportion female..... 54.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 74.1 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 7.6 %

Admitted for emergency..... 0.9 %

### COMORBIDITIES:

Cancer..... 9.8 %

Chronic cardiovascular disease..... 36.2 %

Chronic liver disease..... 0.4 %

Chronic renal disease..... 1.8 %

Chronic pulmonary disease..... 8.0 %

Cerebrovascular degeneration..... 3.6 %

Diabetes mellitus..... 4.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.1%

State ..... 11.9%

Outside State ..... 1.0%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.2 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 30

Occupancy Rate ..... 23.0 %

Ownership/Control..... Local Government

Medicare Discharges ..... 42.0 %

Case Mix Index (CMI) ..... 1.0421

### STAFFING:

Total Number of Physicians..... 5

Percent of Physicians Board  
Certified Specialists ..... 80.0 %

Medical Residents/Interns ..... 0

Registered Nurses..... 2

Licensed Practical Nurses..... 1

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... Yes

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# RICE COUNTY DISTRICT ONE HOSPITAL

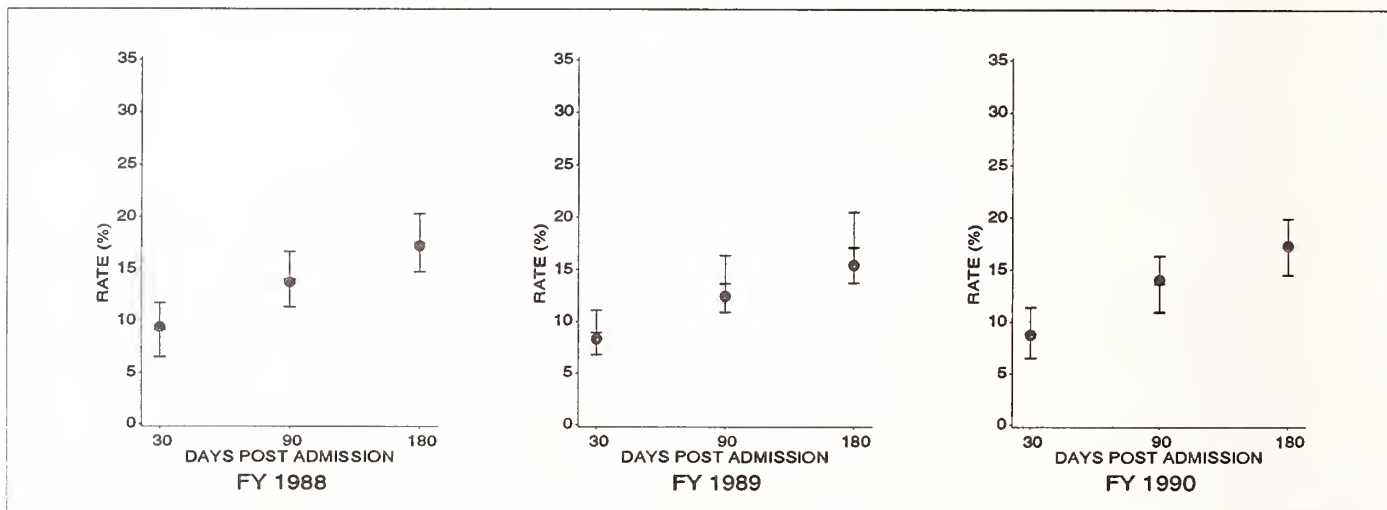
631 1ST ST SE  
FARIBAULT, MN 55021  
Medicare Provider Number: 240071

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 784             | 8.7                 | 8.9  | 1.2   | 14.0    | 13.6 | 1.4   | 17.3     | 17.2 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 23              | 30.4                | 20.3 | ----- | 34.8    | 23.4 | ----- | 39.1     | 25.9 | ----- |
| Congestive Heart Failure.....              | 54              | 13.0                | 14.0 | 6.3   | 22.2    | 22.2 | 6.6   | 31.5     | 28.6 | 7.0   |
| Pneumonia/Influenza.....                   | 40              | 7.5                 | 16.5 | ----- | 17.5    | 23.1 | ----- | 25.0     | 27.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 15              | 13.3                | 10.1 | ----- | 13.3    | 16.5 | ----- | 26.7     | 21.5 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 1.4  | ----- | 0.0     | 3.6  | ----- | 0.0      | 6.5  | ----- |
| Stroke.....                                | 31              | 22.6                | 21.3 | ----- | 25.8    | 28.5 | ----- | 32.3     | 32.8 | ----- |
| Hip Fracture.....                          | 37              | 13.5                | 8.2  | ----- | 27.0    | 14.2 | ----- | 27.0     | 18.5 | ----- |
| Sepsis.....                                | 13              | 15.4                | 24.0 | ----- | 23.1    | 29.9 | ----- | 23.1     | 33.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 2.4  | ----- | 16.7    | 5.3  | ----- | 16.7     | 8.5  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 25              | 0.0                 | 3.0  | ----- | 8.0     | 5.5  | ----- | 12.0     | 7.4  | ----- |
| Open Reduction of Hip Fracture.....        | 17              | 11.8                | 7.6  | ----- | 35.3    | 13.5 | ----- | 35.3     | 17.9 | ----- |
| Prostatectomy.....                         | 24              | 0.0                 | 1.2  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.2  | ----- |
| Cholecystectomy.....                       | 15              | 0.0                 | 1.8  | ----- | 0.0     | 3.2  | ----- | 0.0      | 4.1  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RICE COUNTY DISTRICT ONE HOSPITAL

Medicare Provider Number: 240071

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.4 years  
Proportion female..... 60.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.2 %  
Transferred from skilled nursing facility..... 3.2 %  
Admitted for elective procedure..... 21.0 %  
Admitted for emergency..... 57.1 %

### COMORBIDITIES:

Cancer..... 5.9 %  
Chronic cardiovascular disease..... 38.1 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 15.6 %  
Cerebrovascular degeneration..... 7.7 %  
Diabetes mellitus..... 4.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 77.3%  
State ..... 21.3%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.6 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 64  
Occupancy Rate ..... 48.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 49.8 %  
Case Mix Index (CMI) ..... 1.1309

### STAFFING:

Total Number of Physicians..... 24  
Percent of Physicians Board  
Certified Specialists..... 75.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 51  
Licensed Practical Nurses ..... 25

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# RICE MEMORIAL HOSPITAL

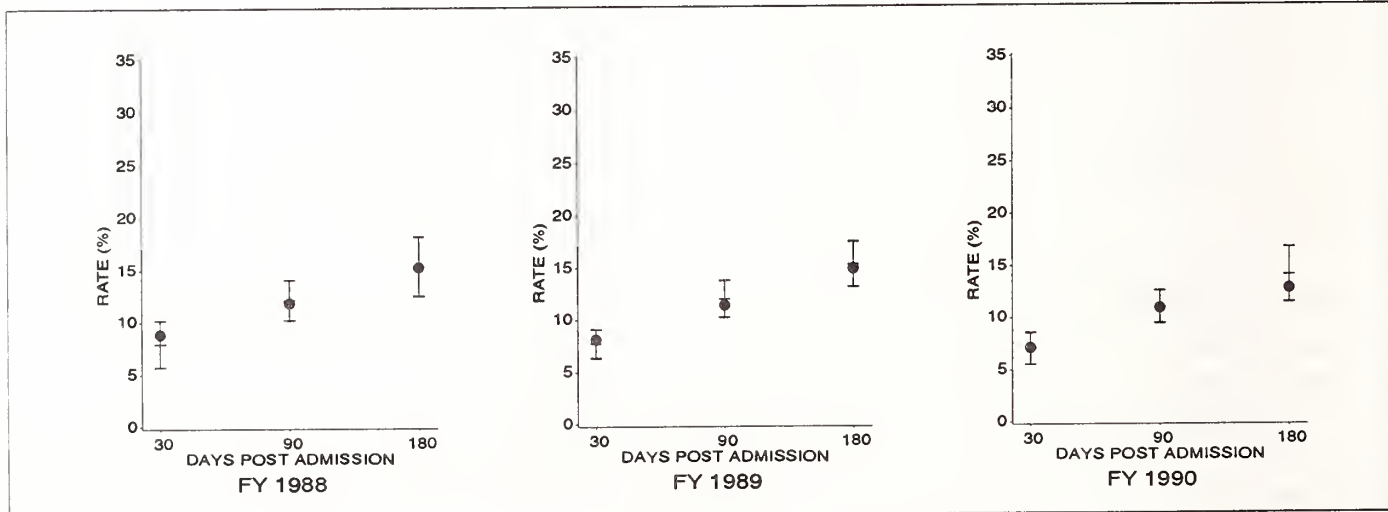
301 BECKER AVE NW  
WILLMAR, MN 56201  
Medicare Provider Number: 240088

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1634            | 7.1                 | 7.0  | 0.8   | 10.9    | 11.0 | 0.8   | 12.8     | 14.1 | 1.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 53              | 24.5                | 22.1 | 8.2   | 32.1    | 25.5 | 8.1   | 32.1     | 28.4 | 8.3   |
| Congestive Heart Failure.....              | 75              | 14.7                | 15.3 | 4.2   | 21.3    | 24.1 | 6.2   | 26.7     | 30.9 | 8.1   |
| Pneumonia/Influenza.....                   | 68              | 17.6                | 14.9 | 9.5   | 26.5    | 20.9 | 8.3   | 27.9     | 25.1 | 8.0   |
| Chronic Obstructive Pulmonary Disease..... | 14              | 7.1                 | 5.7  | ----- | 7.1     | 10.3 | ----- | 7.1      | 14.4 | ----- |
| Transient Cerebral Ischemia.....           | 13              | 0.0                 | 1.8  | ----- | 0.0     | 4.1  | ----- | 0.0      | 6.8  | ----- |
| Stroke.....                                | 49              | 22.4                | 15.4 | ----- | 24.5    | 21.4 | ----- | 24.5     | 25.1 | ----- |
| Hip Fracture.....                          | 65              | 3.1                 | 6.3  | 4.1   | 9.2     | 11.7 | 5.5   | 10.8     | 15.4 | 5.5   |
| Sepsis.....                                | 10              | 0.0                 | 17.5 | ----- | 20.0    | 22.7 | ----- | 20.0     | 27.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 10              | 0.0                 | 2.0  | ----- | 0.0     | 4.1  | ----- | 10.0     | 6.5  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 116             | 1.7                 | 1.8  | 1.2   | 4.3     | 3.4  | 1.8   | 4.3      | 4.8  | 2.9   |
| Open Reduction of Hip Fracture.....        | 18              | 5.6                 | 7.5  | ----- | 11.1    | 14.0 | ----- | 16.7     | 18.0 | ----- |
| Prostatectomy.....                         | 105             | 0.0                 | 1.0  | 1.3   | 0.0     | 2.4  | 2.5   | 1.0      | 4.1  | 3.3   |
| Cholecystectomy.....                       | 58              | 1.7                 | 2.4  | 2.9   | 3.4     | 4.6  | 4.7   | 3.4      | 6.1  | 5.8   |
| Hysterectomy.....                          | 27              | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RICE MEMORIAL HOSPITAL

Medicare Provider Number: 240088

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
Proportion female..... 51.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.0 %  
Transferred from skilled nursing facility..... 4.5 %  
Admitted for elective procedure..... 39.5 %  
Admitted for emergency..... 0.4 %

### COMORBIDITIES:

Cancer..... 8.6 %  
Chronic cardiovascular disease..... 26.2 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 10.5 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 4.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 51.2%  
State ..... 46.8%  
Outside State ..... 2.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 140  
Occupancy Rate ..... 54.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 42.4 %  
Case Mix Index (CMI) ..... 1.3934

### STAFFING:

Total Number of Physicians..... 73  
Percent of Physicians Board  
Certified Specialists ..... 75.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 160  
Licensed Practical Nurses ..... 40

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# RIDGEVIEW MEDICAL CENTER

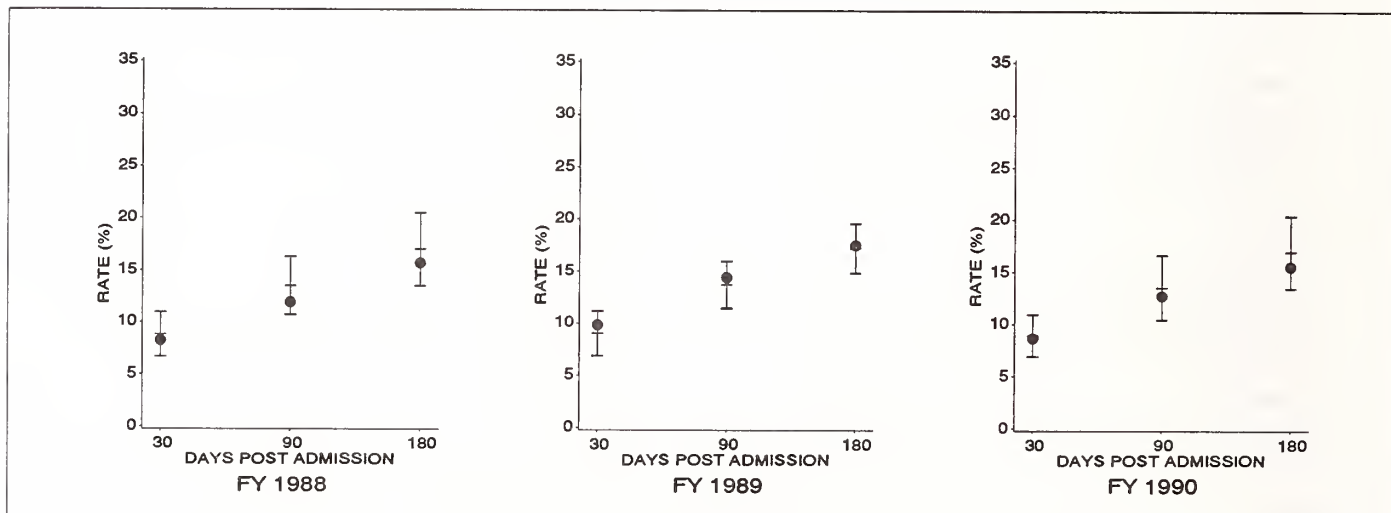
500 S MAPLE ST  
WACONIA, MN 55387  
Medicare Provider Number: 240056

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1223            | 8.6                 | 8.9  | 1.0   | 12.7    | 13.5 | 1.6   | 15.5     | 16.9 | 1.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 41              | 19.5                | 25.5 | ----- | 22.0    | 28.4 | ----- | 24.4     | 30.9 | ----- |
| Congestive Heart Failure.....              | 71              | 19.7                | 15.1 | 5.4   | 25.4    | 23.8 | 5.4   | 29.6     | 30.1 | 6.6   |
| Pneumonia/Influenza.....                   | 52              | 17.3                | 16.3 | 5.6   | 26.9    | 23.2 | 7.2   | 32.7     | 27.3 | 7.7   |
| Chronic Obstructive Pulmonary Disease..... | 13              | 0.0                 | 7.6  | ----- | 0.0     | 14.3 | ----- | 15.4     | 19.6 | ----- |
| Transient Cerebral Ischemia.....           | 27              | 0.0                 | 2.0  | ----- | 3.7     | 4.5  | ----- | 7.4      | 7.2  | ----- |
| Stroke.....                                | 46              | 15.2                | 20.1 | ----- | 21.7    | 26.8 | ----- | 26.1     | 31.2 | ----- |
| Hip Fracture.....                          | 58              | 6.9                 | 7.2  | 4.1   | 12.1    | 13.3 | 5.8   | 15.5     | 17.5 | 5.6   |
| Sepsis.....                                | 17              | 35.3                | 32.5 | ----- | 35.3    | 40.5 | ----- | 41.2     | 45.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 11              | 0.0                 | 3.1  | ----- | 0.0     | 5.8  | ----- | 0.0      | 8.3  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 75              | 1.3                 | 2.2  | 2.0   | 2.7     | 4.3  | 2.9   | 5.3      | 6.0  | 3.0   |
| Open Reduction of Hip Fracture.....        | 35              | 8.6                 | 6.6  | ----- | 14.3    | 12.4 | ----- | 17.1     | 16.5 | ----- |
| Prostatectomy.....                         | 36              | 2.8                 | 1.2  | ----- | 2.8     | 3.0  | ----- | 2.8      | 5.3  | ----- |
| Cholecystectomy.....                       | 24              | 4.2                 | 2.3  | ----- | 4.2     | 4.4  | ----- | 4.2      | 6.0  | ----- |
| Hysterectomy.....                          | 10              | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RIDGEVIEW MEDICAL CENTER

Medicare Provider Number: 240056

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.5 years |
| Proportion female.....        | 55.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 69.1 % |
| Transferred from skilled nursing facility..... | 0.3 %  |
| Admitted for elective procedure.....           | 31.7 % |
| Admitted for emergency.....                    | 16.2 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.7 %  |
| Chronic cardiovascular disease..... | 38.1 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 2.0 %  |
| Chronic pulmonary disease.....      | 13.5 % |
| Cerebrovascular degeneration.....   | 4.9 %  |
| Diabetes mellitus.....              | 7.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 34.6%  |
| State .....         | 64.5%  |
| Outside State ..... | 0.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.5 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 89               |
| Occupancy Rate .....       | 57.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 38.9 %           |
| Case Mix Index (CMI) ..... | 1.3311           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 66     |
| Percent of Physicians Board<br>Certified Specialists ..... | 97.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 113    |
| Licensed Practical Nurses .....                            | 15     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# RIVERSIDE MEDICAL CENTER

RIVERSIDE AT 25TH AVENUE SOUTH

MINNEAPOLIS, MN 55454

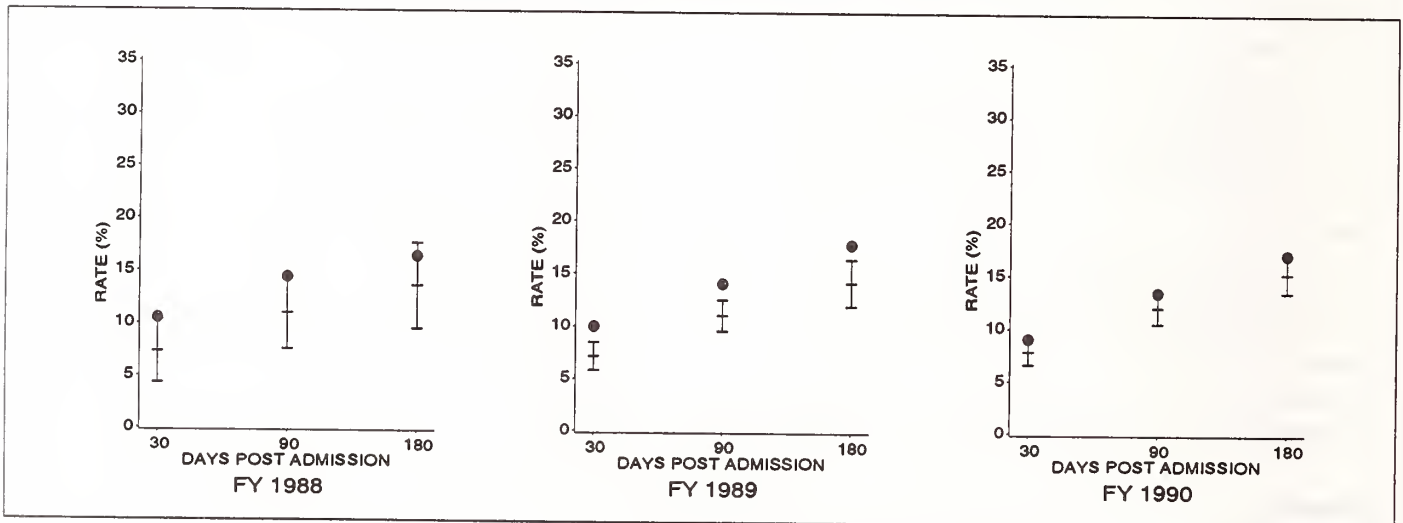
Medicare Provider Number: 240080

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3039            | 9.0                 | 7.8  | 0.6  | 13.4    | 12.0 | 0.8  | 17.0     | 15.2 | 0.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 92              | 25.0                | 25.7 | 4.8  | 27.2    | 29.3 | 4.9  | 29.3     | 32.2 | 5.4  |
| Congestive Heart Failure.....              | 114             | 11.4                | 13.2 | 4.2  | 18.4    | 20.9 | 4.4  | 28.1     | 26.8 | 4.6  |
| Pneumonia/Influenza.....                   | 125             | 20.8                | 17.5 | 5.2  | 24.8    | 23.8 | 4.3  | 28.8     | 28.3 | 4.4  |
| Chronic Obstructive Pulmonary Disease..... | 34              | 17.6                | 8.1  | ---- | 26.5    | 14.6 | ---- | 38.2     | 19.7 | ---- |
| Transient Cerebral Ischemia.....           | 38              | 0.0                 | 1.6  | ---- | 2.6     | 3.7  | ---- | 5.3      | 6.3  | ---- |
| Stroke.....                                | 103             | 18.4                | 20.4 | 4.3  | 29.1    | 26.1 | 5.0  | 30.1     | 29.8 | 4.8  |
| Hip Fracture.....                          | 94              | 9.6                 | 6.9  | 3.6  | 14.9    | 12.0 | 5.1  | 18.1     | 15.6 | 5.8  |
| Sepsis.....                                | 30              | 26.7                | 21.2 | ---- | 30.0    | 29.3 | ---- | 36.7     | 34.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 27              | 0.0                 | 4.3  | ---- | 0.0     | 5.3  | ---- | 0.0      | 6.2  | ---- |
| Coronary Artery Bypass Graft.....          | 30              | 13.3                | 4.7  | ---- | 16.7    | 6.5  | ---- | 16.7     | 7.3  | ---- |
| Initial Pacemaker Insertion.....           | 27              | 3.7                 | 4.2  | ---- | 7.4     | 7.6  | ---- | 14.8     | 11.0 | ---- |
| Carotid Endarterectomy.....                | 14              | 7.1                 | 1.3  | ---- | 7.1     | 2.3  | ---- | 7.1      | 3.2  | ---- |
| Hip Replacement/Reconstruction.....        | 113             | 0.9                 | 2.4  | 2.0  | 1.8     | 4.4  | 2.8  | 3.5      | 6.0  | 3.0  |
| Open Reduction of Hip Fracture.....        | 48              | 16.7                | 6.2  | ---- | 18.8    | 10.9 | ---- | 22.9     | 14.3 | ---- |
| Prostatectomy.....                         | 89              | 2.2                 | 1.4  | 1.5  | 5.6     | 3.2  | 2.9  | 7.9      | 5.3  | 3.4  |
| Cholecystectomy.....                       | 60              | 5.0                 | 3.0  | 2.6  | 6.7     | 5.1  | 3.7  | 8.3      | 6.5  | 5.0  |
| Hysterectomy.....                          | 55              | 0.0                 | 0.8  | 1.5  | 0.0     | 1.7  | 2.4  | 1.8      | 2.9  | 2.4  |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RIVERSIDE MEDICAL CENTER

Medicare Provider Number: 240080

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.5 years  
Proportion female..... 59.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 49.3 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 41.6 %  
Admitted for emergency..... 49.4 %

### COMORBIDITIES:

Cancer..... 8.1 %  
Chronic cardiovascular disease..... 33.9 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.8 %  
Chronic pulmonary disease..... 11.9 %  
Cerebrovascular degeneration..... 6.7 %  
Diabetes mellitus..... 4.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 73.5%  
State..... 22.3%  
Outside State..... 4.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.4 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 896  
Occupancy Rate..... 67.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 19.5 %  
Case Mix Index (CMI)..... 1.3512

### STAFFING:

Total Number of Physicians..... 356  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... 18  
Registered Nurses..... 490  
Licensed Practical Nurses..... 74

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# RIVERVIEW HOSPITAL

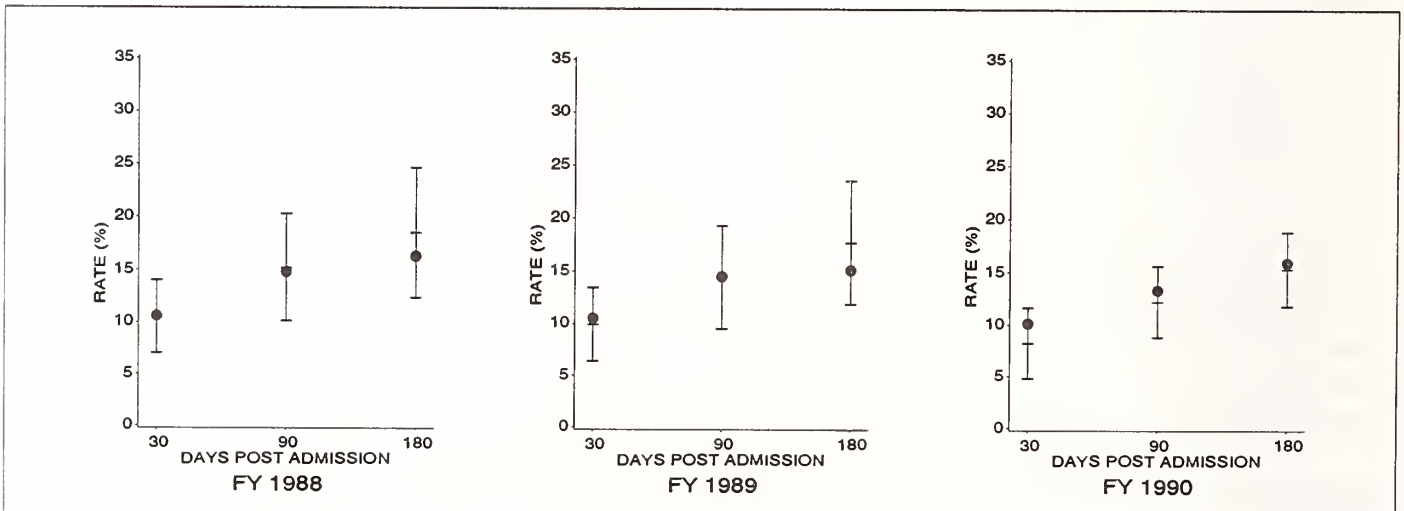
323 SOUTH MINNESOTA  
CROOKSTON, MN 56716  
Medicare Provider Number: 240041

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 466             | 10.1                | 8.2  | 1.7   | 13.3    | 12.2 | 1.7   | 15.9     | 15.3 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 21              | 33.3                | 26.9 | ----- | 33.3    | 30.5 | ----- | 38.1     | 33.4 | ----- |
| Congestive Heart Failure.....              | 19              | 21.1                | 12.2 | ----- | 26.3    | 19.2 | ----- | 31.6     | 25.5 | ----- |
| Pneumonia/Influenza.....                   | 25              | 28.0                | 16.2 | ----- | 28.0    | 22.6 | ----- | 32.0     | 27.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 6.8  | ----- | 20.0    | 12.1 | ----- | 40.0     | 17.1 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 0.6  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.9  | ----- |
| Stroke.....                                | 16              | 18.8                | 19.0 | ----- | 18.8    | 26.5 | ----- | 25.0     | 31.5 | ----- |
| Hip Fracture.....                          | 23              | 13.0                | 5.8  | ----- | 21.7    | 11.1 | ----- | 21.7     | 15.0 | ----- |
| Sepsis.....                                | 14              | 14.3                | 20.1 | ----- | 35.7    | 28.9 | ----- | 42.9     | 34.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 1.8  | ----- | 0.0     | 3.3  | ----- | 0.0      | 4.8  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 22              | 0.0                 | 2.5  | ----- | 4.5     | 4.9  | ----- | 4.5      | 7.0  | ----- |
| Open Reduction of Hip Fracture.....        | 10              | 20.0                | 5.4  | ----- | 30.0    | 10.7 | ----- | 30.0     | 14.9 | ----- |
| Prostatectomy.....                         | 7               | 0.0                 | 0.7  | ----- | 0.0     | 1.5  | ----- | 14.3     | 2.8  | ----- |
| Cholecystectomy.....                       | 7               | 0.0                 | 1.0  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.4  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RIVERVIEW HOSPITAL

Medicare Provider Number: 240041

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.4 years  
 Proportion female..... 60.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 86.1 %  
 Transferred from skilled nursing facility..... 11.6 %  
 Admitted for elective procedure..... 20.0 %  
 Admitted for emergency..... 23.2 %

### COMORBIDITIES:

Cancer..... 2.1 %  
 Chronic cardiovascular disease..... 29.4 %  
 Chronic liver disease..... 0.0 %  
 Chronic renal disease..... 1.5 %  
 Chronic pulmonary disease..... 10.5 %  
 Cerebrovascular degeneration..... 5.2 %  
 Diabetes mellitus..... 6.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 80.2%  
 State ..... 15.1%  
 Outside State ..... 4.7%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.9 Days  
 State ..... 6.6 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 217  
 Occupancy Rate ..... 94.0 %  
 Ownership/Control..... Private, Non-Profit  
 Medicare Discharges ..... 47.4 %  
 Case Mix Index (CMI) ..... 1.2056

### STAFFING:

Total Number of Physicians..... 15  
 Percent of Physicians Board  
 Certified Specialists..... 53.3 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 31  
 Licensed Practical Nurses..... 24

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... Yes  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... Yes  
 Medical/Surgical Intensive Care ..... No  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation ..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# RIVERWOOD HEALTH CARE CENTER

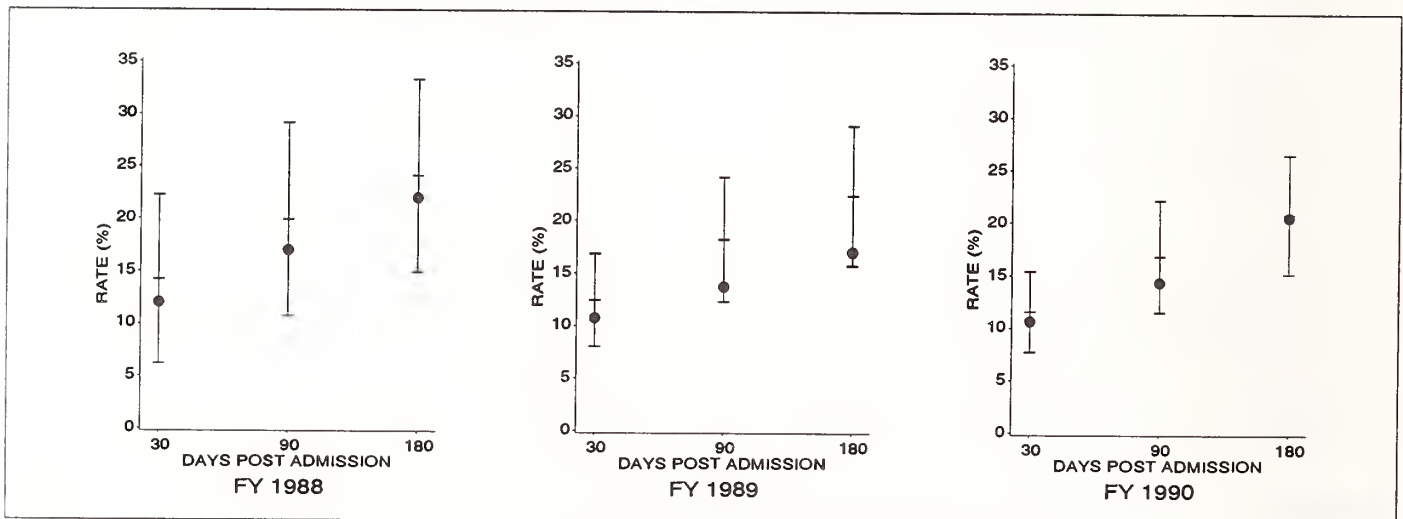
301 MINNESOTA AVE SOUTH  
AITKIN, MN 56431  
Medicare Provider Number: 240086

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 322             | 10.6                | 11.5 | 1.9   | 14.3    | 16.8 | 2.7   | 20.5     | 20.8 | 2.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 17              | 41.2                | 29.6 | ----- | 47.1    | 32.2 | ----- | 58.8     | 34.9 | ----- |
| Congestive Heart Failure.....              | 23              | 4.3                 | 13.4 | ----- | 8.7     | 20.7 | ----- | 13.0     | 26.8 | ----- |
| Pneumonia/Influenza.....                   | 34              | 20.6                | 18.9 | ----- | 29.4    | 25.2 | ----- | 32.4     | 29.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 0.0                 | 5.8  | ----- | 0.0     | 11.8 | ----- | 0.0      | 16.9 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 3.3  | ----- | 0.0     | 7.7  | ----- | 0.0      | 12.6 | ----- |
| Stroke.....                                | 21              | 14.3                | 19.5 | ----- | 14.3    | 24.4 | ----- | 19.0     | 27.9 | ----- |
| Hip Fracture.....                          | 10              | 10.0                | 6.0  | ----- | 20.0    | 11.6 | ----- | 40.0     | 16.3 | ----- |
| Sepsis.....                                | 3               | 0.0                 | 27.2 | ----- | 0.0     | 36.0 | ----- | 66.7     | 42.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 33.3                | 4.4  | ----- | 66.7    | 8.0  | ----- | 66.7     | 11.0 | ----- |
| Open Reduction of Hip Fracture.....        | 7               | 0.0                 | 5.8  | ----- | 0.0     | 11.9 | ----- | 28.6     | 17.2 | ----- |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 5               | 0.0                 | 0.8  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.0  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.7  | ----- | 0.0     | 1.9  | ----- | 20.0     | 3.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RIVERWOOD HEALTH CARE CENTER

Medicare Provider Number: 240086

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.2 years  
Proportion female..... 54.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.1 %  
Transferred from skilled nursing facility..... 6.2 %  
Admitted for elective procedure..... 7.5 %  
Admitted for emergency..... 41.0 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 51.9 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 0.9 %  
Chronic pulmonary disease..... 18.0 %  
Cerebrovascular degeneration..... 5.9 %  
Diabetes mellitus..... 11.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.5%  
State ..... 10.6%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 84  
Occupancy Rate ..... 67.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 57.9 %  
Case Mix Index (CMI) ..... 1.0711

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 16  
Licensed Practical Nurses ..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ROCHESTER METHODIST HOSPITAL

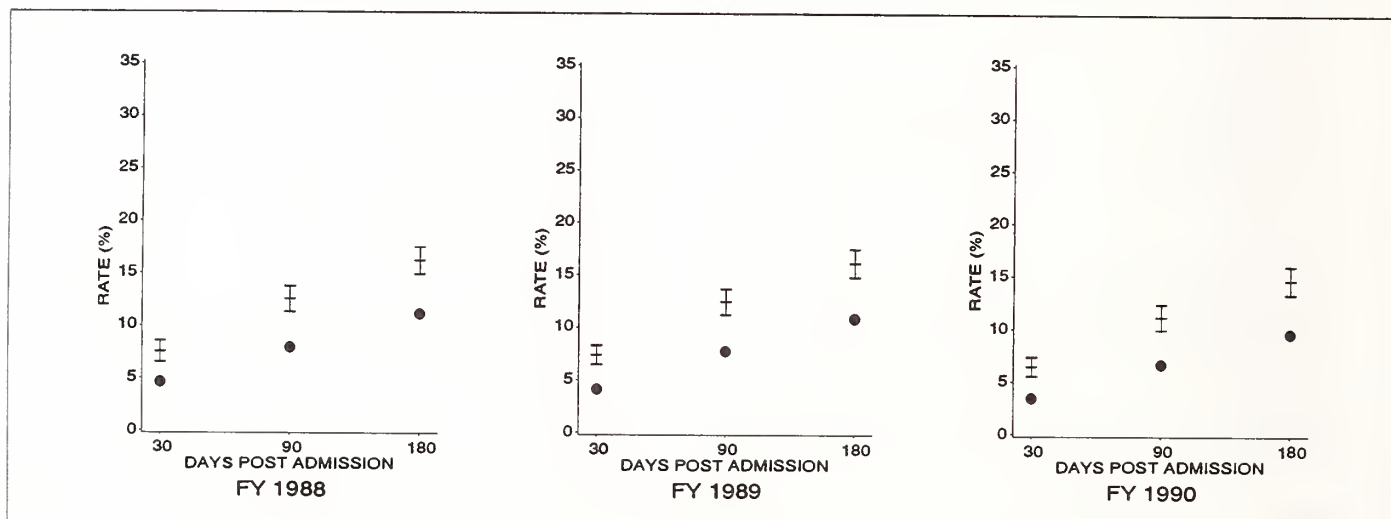
201 W CENTER ST  
ROCHESTER, MN 55902  
Medicare Provider Number: 240061

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 4462            | 3.4                 | 6.4  | 0.5   | 6.6     | 11.1 | 0.6   | 9.5      | 14.6 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11              | 18.2                | 26.6 | ----- | 18.2    | 31.1 | ----- | 18.2     | 33.6 | ----- |
| Congestive Heart Failure.....              | 50              | 10.0                | 17.4 | ----- | 14.0    | 27.2 | ----- | 22.0     | 33.6 | ----- |
| Pneumonia/Influenza.....                   | 59              | 3.4                 | 17.3 | 5.4   | 8.5     | 24.2 | 7.1   | 11.9     | 28.2 | 7.3   |
| Chronic Obstructive Pulmonary Disease..... | 17              | 5.9                 | 11.3 | ----- | 23.5    | 18.5 | ----- | 23.5     | 23.7 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 2.3  | ----- | 0.0     | 5.3  | ----- | 0.0      | 8.6  | ----- |
| Stroke.....                                | 32              | 15.6                | 19.6 | ----- | 18.8    | 27.3 | ----- | 21.9     | 31.9 | ----- |
| Hip Fracture.....                          | 9               | 0.0                 | 8.1  | ----- | 0.0     | 14.0 | ----- | 0.0      | 17.1 | ----- |
| Sepsis.....                                | 22              | 9.1                 | 24.2 | ----- | 18.2    | 35.3 | ----- | 22.7     | 41.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 1               | 0.0                 | 13.8 | ----- | 0.0     | 25.3 | ----- | 0.0      | 30.8 | ----- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 2.7  | ----- | 0.0     | 4.5  | ----- | 0.0      | 6.0  | ----- |
| Carotid Endarterectomy.....                | 2               | 0.0                 | 1.2  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.2  | ----- |
| Hip Replacement/Reconstruction.....        | 191             | 0.0                 | 0.8  | 1.1   | 0.0     | 1.7  | 1.9   | 0.0      | 2.5  | 2.7   |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 9.0  | ----- | 0.0     | 15.4 | ----- | 0.0      | 19.0 | ----- |
| Prostatectomy.....                         | 432             | 0.0                 | 1.2  | 0.6   | 0.2     | 2.8  | 1.1   | 1.6      | 4.9  | 1.3   |
| Cholecystectomy.....                       | 86              | 1.2                 | 5.1  | 2.6   | 3.5     | 10.8 | 3.9   | 3.5      | 15.7 | 4.9   |
| Hysterectomy.....                          | 192             | 0.5                 | 0.7  | 0.6   | 0.5     | 1.7  | 1.1   | 0.5      | 2.6  | 1.7   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ROCHESTER METHODIST HOSPITAL

Medicare Provider Number: 240061

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 71.8 years |
| Proportion female.....        | 49.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 0.0 %  |
| Transferred from skilled nursing facility..... | 1.3 %  |
| Admitted for elective procedure.....           | 74.6 % |
| Admitted for emergency.....                    | 15.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 18.8 % |
| Chronic cardiovascular disease..... | 17.7 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 2.7 %  |
| Chronic pulmonary disease.....      | 9.4 %  |
| Cerebrovascular degeneration.....   | 1.6 %  |
| Diabetes mellitus.....              | 4.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 12.7%  |
| State .....         | 33.8%  |
| Outside State ..... | 53.5%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.1 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 537                 |
| Occupancy Rate .....       | 63.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 33.1 %              |
| Case Mix Index (CMI) ..... | 1.5161              |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | 0               |
| Registered Nurses.....                                     | 453             |
| Licensed Practical Nurses .....                            | 86              |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | Yes |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ROSEAU AREA HOSPITAL DISTRICT

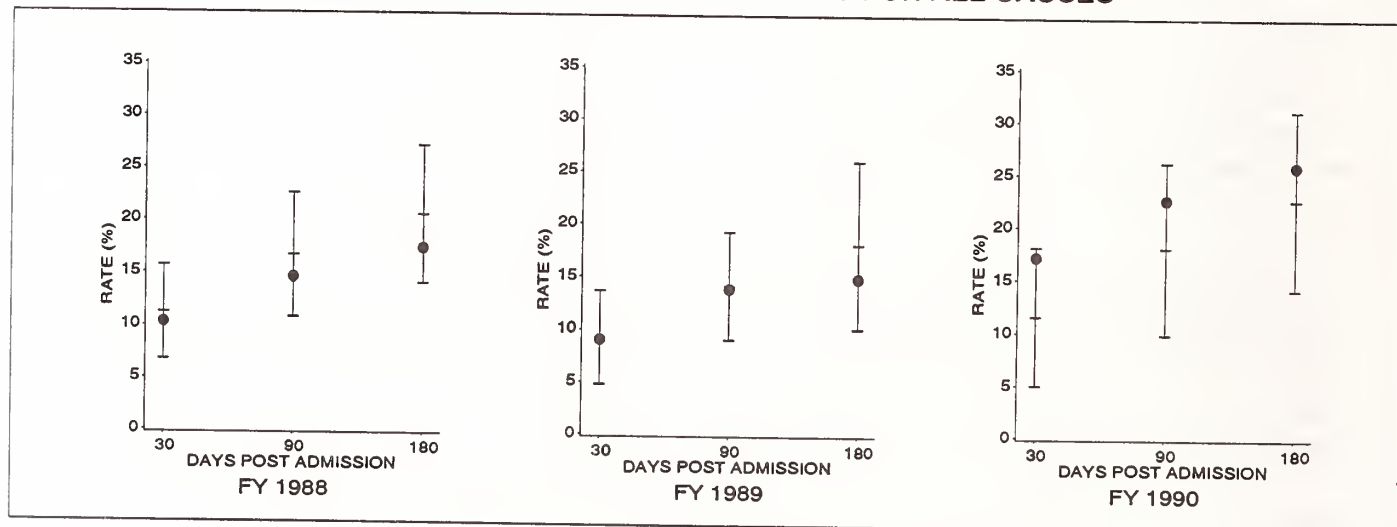
715 DELMORE DRIVE  
ROSEAU, MN 56751  
Medicare Provider Number: 240153

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 217             | 17.1                | 11.5 | 3.3   | 22.6    | 18.0 | 4.1   | 25.8     | 22.6 | 4.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 30.0                | 20.6 | ----- | 40.0    | 24.3 | ----- | 40.0     | 27.1 | ----- |
| Congestive Heart Failure.....              | 17              | 23.5                | 16.5 | ----- | 41.2    | 26.9 | ----- | 41.2     | 33.8 | ----- |
| Pneumonia/Influenza.....                   | 31              | 19.4                | 12.6 | ----- | 22.6    | 17.6 | ----- | 29.0     | 21.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 100.0               | 19.0 | ----- | 100.0   | 33.4 | ----- | 100.0    | 43.6 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 11              | 45.5                | 18.7 | ----- | 54.5    | 24.9 | ----- | 54.5     | 28.6 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 2.9  | ----- | 0.0     | 6.0  | ----- | 0.0      | 8.3  | ----- |
| Sepsis.....                                | 3               | 0.0                 | 16.6 | ----- | 0.0     | 23.2 | ----- | 0.0      | 29.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2               | 0.0                 | 2.2  | ----- | 0.0     | 6.0  | ----- | 50.0     | 11.1 | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.0  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ROSEAU AREA HOSPITAL DISTRICT

Medicare Provider Number: 240153

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.0 years  
Proportion female..... 48.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 99.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 4.6 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 11.5 %  
Chronic cardiovascular disease..... 38.2 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.7 %  
Chronic pulmonary disease..... 18.4 %  
Cerebrovascular degeneration..... 5.5 %  
Diabetes mellitus..... 8.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 92.1 %  
State..... 7.1 %  
Outside State..... 0.8 %  
Total..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.1 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 109  
Occupancy Rate..... 70.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 40.4 %  
Case Mix Index (CMI)..... 1.0388

### STAFFING:

Total Number of Physicians..... 6  
Percent of Physicians Board  
Certified Specialists..... 83.3 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 19  
Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# RUSH CITY HOSPITAL

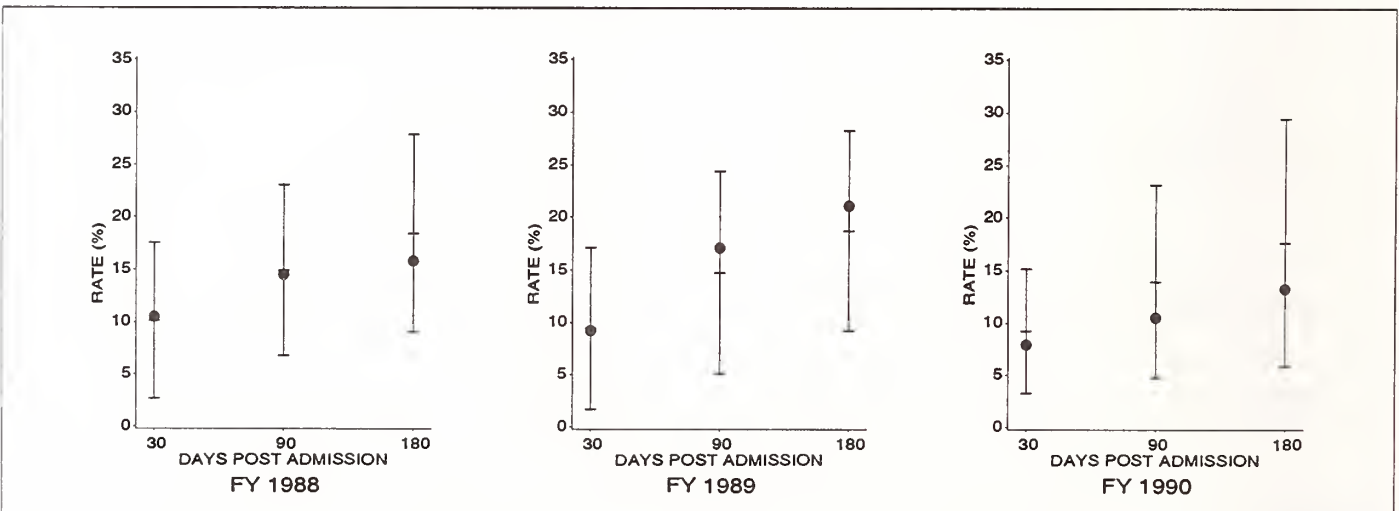
760 W 4TH ST  
RUSH CITY, MN 55069  
Medicare Provider Number: 240169

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 114             | 7.9                 | 9.2  | 3.0   | 10.5    | 13.9 | 4.6   | 13.2     | 17.6 | 5.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 0.0                 | 25.5 | ----- | 0.0     | 28.4 | ----- | 0.0      | 30.5 | ----- |
| Congestive Heart Failure.....              | 11              | 18.2                | 15.0 | ----- | 18.2    | 23.2 | ----- | 18.2     | 29.6 | ----- |
| Pneumonia/Influenza.....                   | 16              | 12.5                | 16.0 | ----- | 18.8    | 21.9 | ----- | 25.0     | 25.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 20.0 | ----- | 0.0     | 35.5 | ----- | 0.0      | 43.4 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 1.1  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.2  | ----- |
| Stroke.....                                | 5               | 40.0                | 14.5 | ----- | 40.0    | 19.2 | ----- | 40.0     | 23.1 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2               | 0.0                 | 23.1 | ----- | 0.0     | 39.5 | ----- | 0.0      | 48.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 4               | 0.0                 | 0.6  | ----- | 0.0     | 1.7  | ----- | 0.0      | 3.2  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 0.6  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.7  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.4  | ----- | 100.0    | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**RUSH CITY HOSPITAL**  
Medicare Provider Number: 240169

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 77.9 years  
Proportion female..... 57.9 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 86.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.9 %  
Admitted for emergency..... 2.6 %

**COMORBIDITIES:**

Cancer..... 5.3 %  
Chronic cardiovascular disease..... 35.1 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 6.1 %  
Chronic pulmonary disease..... 17.5 %  
Cerebrovascular degeneration..... 5.3 %  
Diabetes mellitus..... 5.3 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 31.7%  
State ..... 66.1%  
Outside State ..... 2.2%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 3.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 29  
Occupancy Rate ..... 10.3 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 53.3 %  
Case Mix Index (CMI) ..... 0.9684

**STAFFING:**

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists..... 20.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 12  
Licensed Practical Nurses ..... 2

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# **SIOUX VALLEY HOSPITAL**

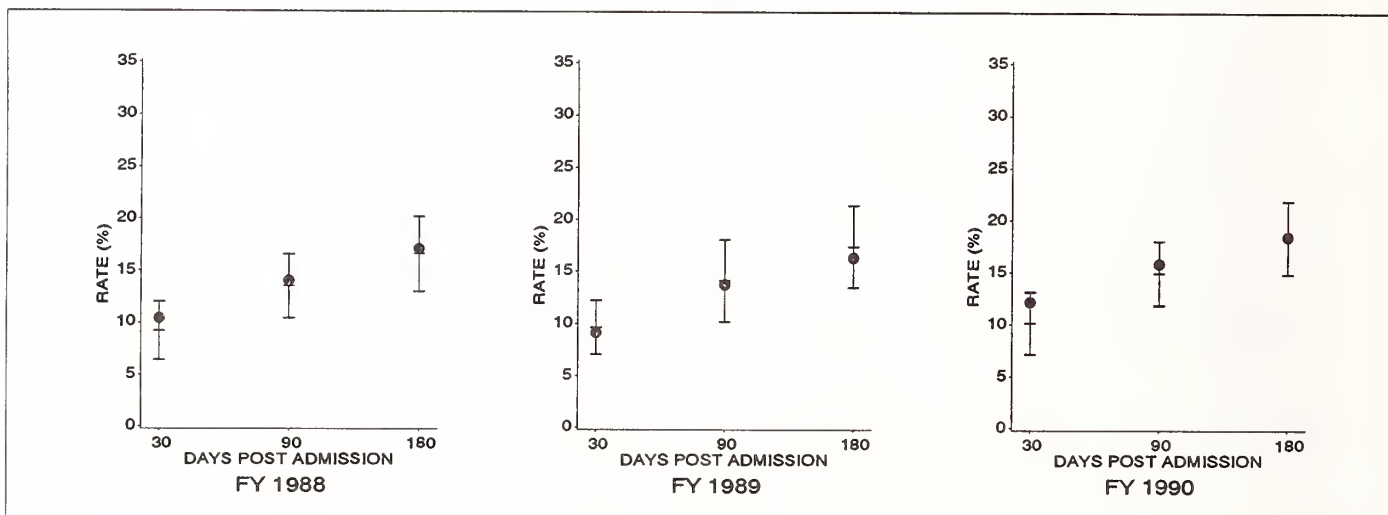
1324 FIFTH NORTH STREET  
NEW ULM, MN 56073  
Medicare Provider Number: 240083

## **FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 544             | 12.1                | 10.1 | 1.5   | 15.8    | 14.9 | 1.6   | 18.4     | 18.3 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 26              | 38.5                | 24.9 | ----- | 42.3    | 28.4 | ----- | 42.3     | 31.3 | ----- |
| Congestive Heart Failure.....              | 36              | 19.4                | 15.8 | ----- | 25.0    | 23.9 | ----- | 27.8     | 30.1 | ----- |
| Pneumonia/Influenza.....                   | 32              | 18.8                | 14.9 | ----- | 25.0    | 20.5 | ----- | 31.3     | 24.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 0.0                 | 5.2  | ----- | 16.7    | 9.7  | ----- | 16.7     | 13.6 | ----- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 1.9  | ----- | 0.0     | 4.2  | ----- | 0.0      | 6.7  | ----- |
| Stroke.....                                | 24              | 20.8                | 23.3 | ----- | 33.3    | 30.2 | ----- | 41.7     | 33.9 | ----- |
| Hip Fracture.....                          | 24              | 4.2                 | 6.9  | ----- | 12.5    | 12.2 | ----- | 12.5     | 15.9 | ----- |
| Sepsis.....                                | 2               | 50.0                | 23.7 | ----- | 50.0    | 29.0 | ----- | 50.0     | 35.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 7.7  | ----- | 0.0     | 13.6 | ----- | 0.0      | 17.9 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9               | 0.0                 | 4.2  | ----- | 0.0     | 7.8  | ----- | 0.0      | 10.7 | ----- |
| Open Reduction of Hip Fracture.....        | 19              | 5.3                 | 6.1  | ----- | 15.8    | 10.9 | ----- | 15.8     | 14.4 | ----- |
| Prostatectomy.....                         | 1               | 0.0                 | 2.0  | ----- | 0.0     | 5.0  | ----- | 0.0      | 8.6  | ----- |
| Cholecystectomy.....                       | 17              | 5.9                 | 3.4  | ----- | 5.9     | 6.5  | ----- | 5.9      | 8.9  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## **OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# **SIoux VALLEY HOSPITAL**

Medicare Provider Number: 240083

## **FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

### **DEMOGRAPHICS:**

Average age at admission..... 78.0 years  
Proportion female..... 60.7 %

### **ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 41.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 16.5 %  
Admitted for emergency..... 35.1 %

### **COMORBIDITIES:**

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 43.6 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 17.6 %  
Cerebrovascular degeneration..... 5.1 %  
Diabetes mellitus..... 4.8 %

## **ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

### **ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 63.0%  
State ..... 36.2%  
Outside State ..... 0.8%  
Total ..... 100.0%

### **MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 5.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## **HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### **PROFILE:**

Total Beds ..... 85  
Occupancy Rate ..... 35.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 37.6 %  
Case Mix Index (CMI) ..... 1.2070

### **STAFFING:**

Total Number of Physicians..... 27  
Percent of Physicians Board  
Certified Specialists ..... 92.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 40  
Licensed Practical Nurses ..... 29

### **SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### **OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SLEEPY EYE MUNICIPAL HOSPITAL

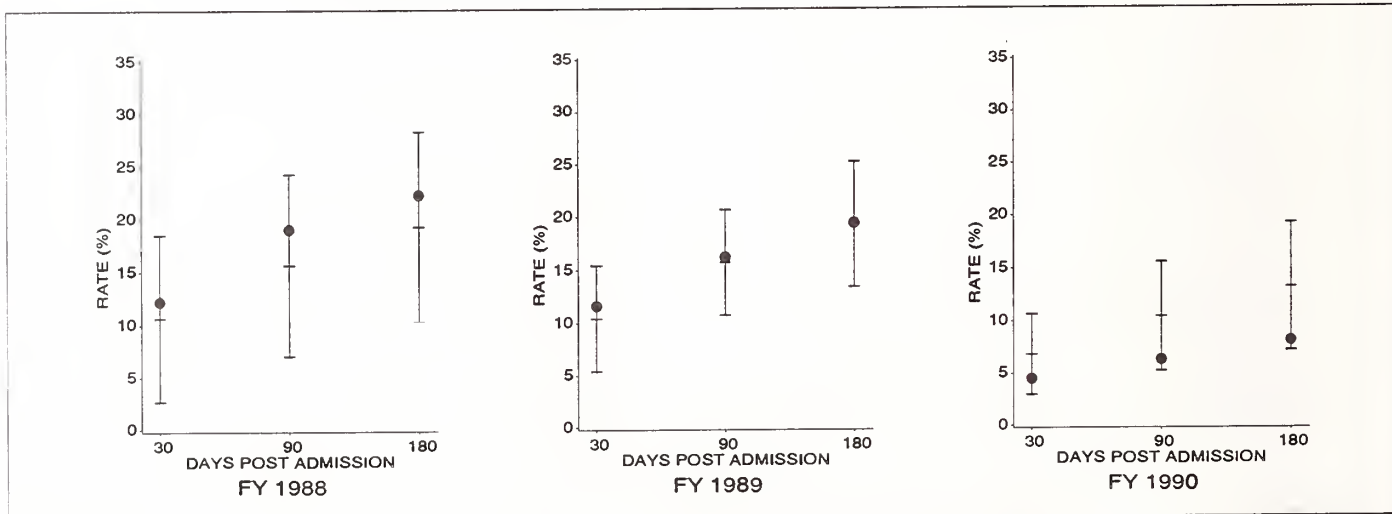
400 FOURTH AVE NORTH  
SLEEPY EYE, MN 56085  
Medicare Provider Number: 240130

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 222             | 4.5                 | 6.8  | 1.9   | 6.3     | 10.4 | 2.6   | 8.1      | 13.2 | 3.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5               | 20.0                | 37.1 | ----- | 20.0    | 40.7 | ----- | 40.0     | 43.7 | ----- |
| Congestive Heart Failure.....              | 8               | 25.0                | 14.3 | ----- | 25.0    | 22.5 | ----- | 37.5     | 28.9 | ----- |
| Pneumonia/Influenza.....                   | 21              | 9.5                 | 13.6 | ----- | 14.3    | 18.7 | ----- | 23.8     | 22.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 0.8  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.2  | ----- |
| Stroke.....                                | 10              | 0.0                 | 15.4 | ----- | 0.0     | 21.7 | ----- | 0.0      | 26.0 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 12.5 | ----- | 0.0     | 20.8 | ----- | 0.0      | 24.5 | ----- |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 14.7 | ----- | 0.0     | 24.4 | ----- | 0.0      | 28.7 | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 11              | 0.0                 | 1.5  | ----- | 0.0     | 3.4  | ----- | 0.0      | 6.0  | ----- |
| Cholecystectomy.....                       | 8               | 12.5                | 2.0  | ----- | 12.5    | 3.4  | ----- | 12.5     | 4.4  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SLEEPY EYE MUNICIPAL HOSPITAL

Medicare Provider Number: 240130

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.3 years  
Proportion female..... 54.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 92.8 %  
Transferred from skilled nursing facility..... 0.9 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.5 %

### COMORBIDITIES:

Cancer..... 2.7 %  
Chronic cardiovascular disease..... 36.9 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 8.6 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 11.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 78.4%  
State ..... 21.3%  
Outside State ..... 0.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 24  
Occupancy Rate ..... 29.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 49.8 %  
Case Mix Index (CMI) ..... 0.9940

### STAFFING:

Total Number of Physicians..... 24  
Percent of Physicians Board  
Certified Specialists ..... 91.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTH SUBURBAN MEDICAL CENTER

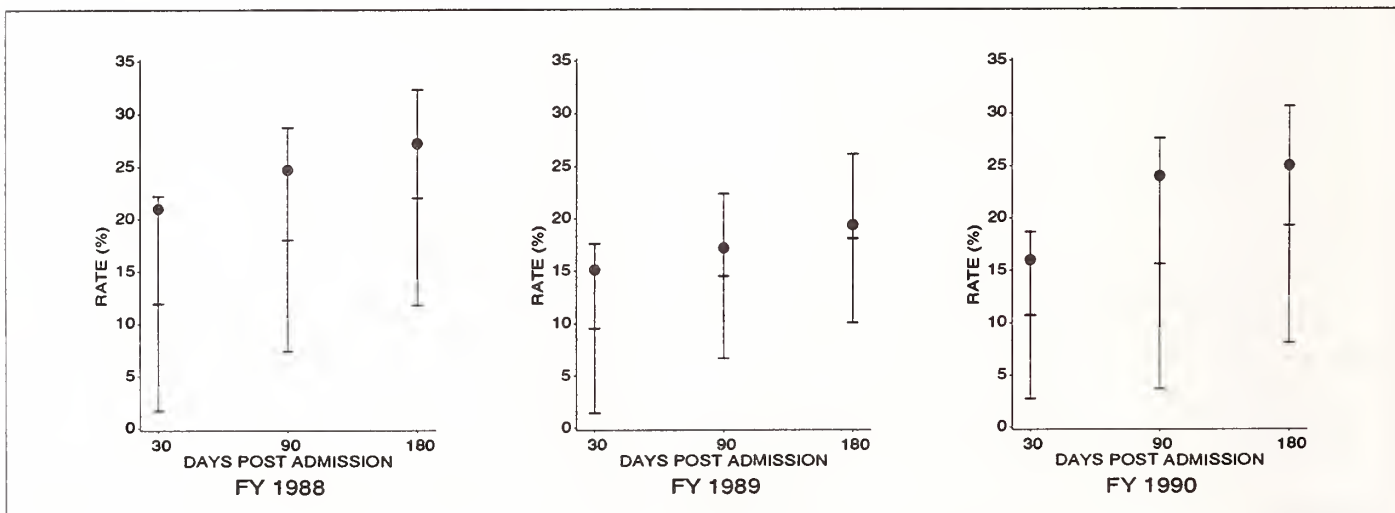
913 MAIN STREET  
FARMINGTON, MN 55024  
Medicare Provider Number: 240097

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 100             | 16.0                | 10.7 | 4.0  | 24.0    | 15.6 | 6.0  | 25.0     | 19.3 | 5.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 9               | 55.6                | 26.6 | ---- | 55.6    | 30.2 | ---- | 55.6     | 33.1 | ---- |
| Congestive Heart Failure.....              | 9               | 22.2                | 16.7 | ---- | 66.7    | 27.1 | ---- | 66.7     | 35.8 | ---- |
| Pneumonia/Influenza.....                   | 6               | 33.3                | 23.0 | ---- | 33.3    | 34.4 | ---- | 33.3     | 39.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 8.6  | ---- | 0.0     | 15.0 | ---- | 50.0     | 18.4 | ---- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 2.4  | ---- | 0.0     | 5.7  | ---- | 0.0      | 9.7  | ---- |
| Stroke.....                                | 4               | 25.0                | 28.0 | ---- | 50.0    | 33.9 | ---- | 50.0     | 37.5 | ---- |
| Hip Fracture.....                          | 8               | 37.5                | 5.1  | ---- | 37.5    | 9.3  | ---- | 37.5     | 12.6 | ---- |
| Sepsis.....                                | 1               | 0.0                 | 17.0 | ---- | 0.0     | 21.6 | ---- | 0.0      | 24.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 3.5  | ---- | 0.0     | 7.2  | ---- | 0.0      | 9.8  | ---- |
| Open Reduction of Hip Fracture.....        | 5               | 60.0                | 5.5  | ---- | 60.0    | 9.9  | ---- | 60.0     | 13.7 | ---- |
| Prostatectomy.....                         | 4               | 0.0                 | 1.5  | ---- | 0.0     | 4.1  | ---- | 0.0      | 7.6  | ---- |
| Cholecystectomy.....                       | 3               | 0.0                 | 1.2  | ---- | 0.0     | 2.1  | ---- | 0.0      | 2.6  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.2  | ---- | 0.0     | 0.5  | ---- | 0.0      | 0.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SOUTH SUBURBAN MEDICAL CENTER

Medicare Provider Number: 240097

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.0 years  
Proportion female..... 58.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 93.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 7.0 %  
Admitted for emergency..... 70.0 %

### COMORBIDITIES:

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 35.0 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 12.0 %  
Cerebrovascular degeneration..... 2.0 %  
Diabetes mellitus..... 7.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 90.0%  
State ..... 8.6%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 85  
Occupancy Rate ..... 83.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 26.3 %  
Case Mix Index (CMI) ..... 1.1043

### STAFFING:

Total Number of Physicians..... 12  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 17  
Licensed Practical Nurses..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SPRINGFIELD COMMUNITY HOSPITAL

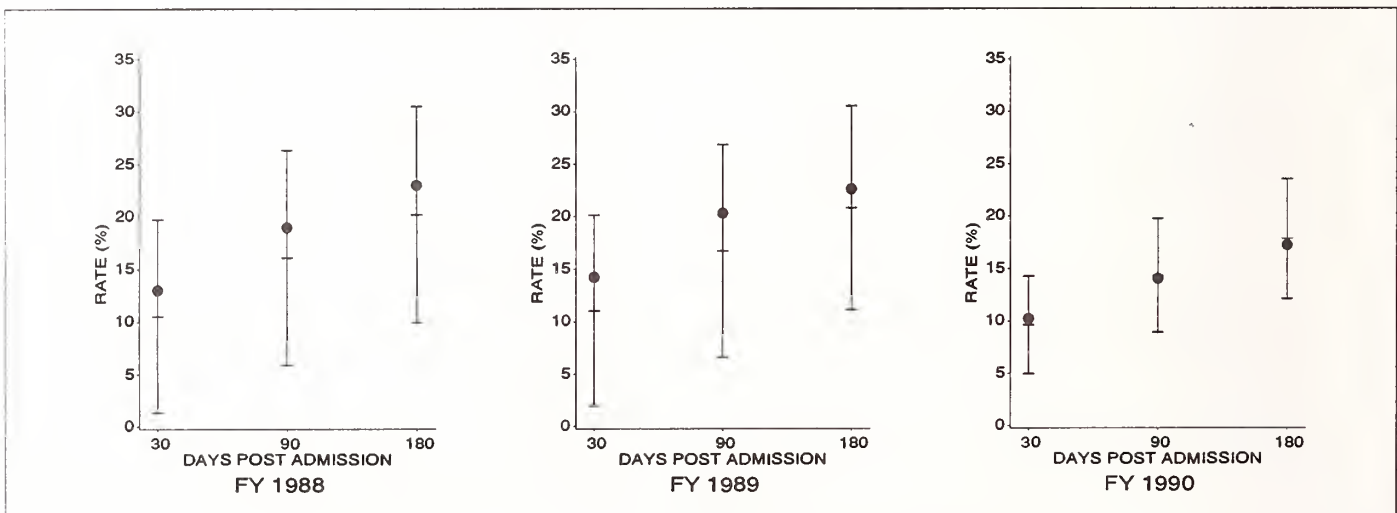
625 N JACKSON ST  
SPRINGFIELD, MN 56087  
Medicare Provider Number: 240179

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 186                | 10.2                | 9.6  | 2.3  | 14.0    | 14.3 | 2.7  | 17.2     | 17.8 | 2.9  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 4                  | 75.0                | 32.7 | ---- | 100.0   | 36.0 | ---- | 100.0    | 38.4 | ---- |
| Congestive Heart Failure.....              | 8                  | 12.5                | 20.5 | ---- | 25.0    | 32.5 | ---- | 37.5     | 41.1 | ---- |
| Pneumonia/Influenza.....                   | 19                 | 15.8                | 18.2 | ---- | 15.8    | 24.5 | ---- | 15.8     | 28.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 9.8  | ---- | 0.0     | 19.8 | ---- | 0.0      | 27.2 | ---- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 0.9  | ---- | 0.0     | 2.4  | ---- | 0.0      | 4.1  | ---- |
| Stroke.....                                | 12                 | 8.3                 | 19.3 | ---- | 25.0    | 26.6 | ---- | 33.3     | 31.2 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 2                  | 100.0               | 37.9 | ---- | 100.0   | 43.1 | ---- | 100.0    | 47.5 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 4                  | 0.0                 | 0.6  | ---- | 0.0     | 1.2  | ---- | 0.0      | 2.1  | ---- |
| Cholecystectomy.....                       | 4                  | 0.0                 | 3.6  | ---- | 0.0     | 7.1  | ---- | 25.0     | 9.7  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SPRINGFIELD COMMUNITY HOSPITAL

Medicare Provider Number: 240179

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.3 years  
Proportion female..... 55.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 76.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 2.2 %  
Admitted for emergency..... 1.1 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 46.2 %  
Chronic liver disease..... 2.2 %  
Chronic renal disease..... 4.8 %  
Chronic pulmonary disease..... 9.7 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 50.0%  
State..... 47.9%  
Outside State..... 2.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.9 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 24  
Occupancy Rate..... 25.0 %  
Ownership/Control..... Local Government  
Medicare Discharges.....(Not Available)  
Case Mix Index (CMI)..... 1.0242

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists.....(Not Available)  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

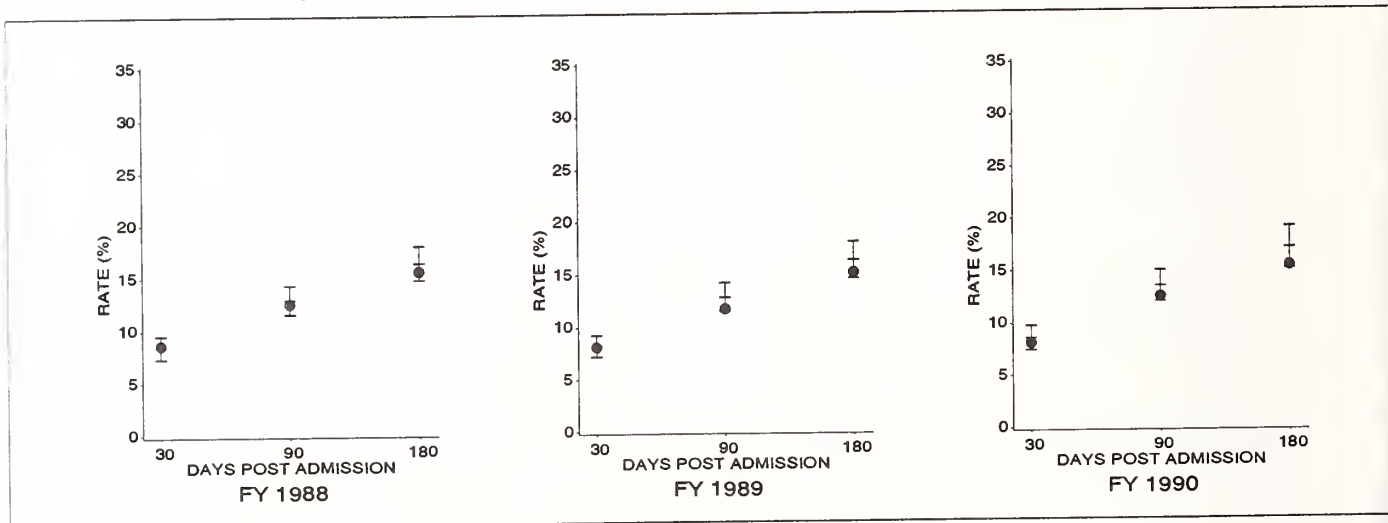
**ST CLOUD HOSPITAL**  
 1406 6TH AVE NORTH  
 ST CLOUD, MN 56301  
 Medicare Provider Number: 240036

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3060            | 8.1                 | 8.6  | 0.6  | 12.5    | 13.5 | 0.7  | 15.4     | 17.1 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 95              | 21.1                | 22.0 | 4.5  | 23.2    | 25.2 | 5.3  | 24.2     | 27.8 | 5.8  |
| Congestive Heart Failure.....              | 141             | 18.4                | 15.1 | 5.0  | 28.4    | 23.7 | 6.5  | 34.0     | 30.0 | 7.7  |
| Pneumonia/Influenza.....                   | 127             | 16.5                | 15.3 | 3.6  | 20.5    | 21.3 | 3.7  | 24.4     | 25.4 | 4.3  |
| Chronic Obstructive Pulmonary Disease..... | 33              | 3.0                 | 7.3  | ---- | 3.0     | 13.3 | ---- | 12.1     | 17.9 | ---- |
| Transient Cerebral Ischemia.....           | 35              | 2.9                 | 2.2  | ---- | 2.9     | 4.7  | ---- | 5.7      | 7.4  | ---- |
| Stroke.....                                | 99              | 24.2                | 21.7 | 4.7  | 33.3    | 28.3 | 6.7  | 36.4     | 32.3 | 6.1  |
| Hip Fracture.....                          | 79              | 5.1                 | 6.7  | 3.3  | 7.6     | 11.8 | 4.8  | 10.1     | 15.3 | 5.9  |
| Sepsis.....                                | 26              | 23.1                | 25.8 | ---- | 30.8    | 34.8 | ---- | 30.8     | 39.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 32              | 0.0                 | 2.1  | ---- | 3.1     | 2.8  | ---- | 3.1      | 3.5  | ---- |
| Coronary Artery Bypass Graft.....          | 53              | 1.9                 | 4.4  | 3.5  | 1.9     | 6.2  | 4.6  | 1.9      | 7.0  | 5.0  |
| Initial Pacemaker Insertion.....           | 41              | 4.9                 | 4.6  | ---- | 9.8     | 8.6  | ---- | 9.8      | 12.0 | ---- |
| Carotid Endarterectomy.....                | 10              | 0.0                 | 1.8  | ---- | 0.0     | 3.8  | ---- | 0.0      | 5.8  | ---- |
| Hip Replacement/Reconstruction.....        | 94              | 2.1                 | 2.7  | 1.7  | 3.2     | 4.8  | 2.5  | 3.2      | 6.4  | 3.0  |
| Open Reduction of Hip Fracture.....        | 22              | 4.5                 | 5.4  | ---- | 9.1     | 10.1 | ---- | 9.1      | 13.6 | ---- |
| Prostatectomy.....                         | 127             | 1.6                 | 1.2  | 1.1  | 3.9     | 2.9  | 1.7  | 5.5      | 5.0  | 2.0  |
| Cholecystectomy.....                       | 50              | 8.0                 | 4.0  | ---- | 8.0     | 6.9  | ---- | 8.0      | 8.8  | ---- |
| Hysterectomy.....                          | 22              | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# ST CLOUD HOSPITAL

Medicare Provider Number: 240036

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.2 years  
Proportion female..... 53.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.1 %  
Transferred from skilled nursing facility..... 2.8 %  
Admitted for elective procedure..... 26.1 %  
Admitted for emergency..... 2.6 %

### COMORBIDITIES:

Cancer..... 9.5 %  
Chronic cardiovascular disease..... 40.0 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.2 %  
Chronic pulmonary disease..... 14.2 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 55.6%  
State ..... 42.8%  
Outside State ..... 1.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 341  
Occupancy Rate ..... 68.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 28.9 %  
Case Mix Index (CMI) ..... 1.4236

### STAFFING:

Total Number of Physicians..... 216  
Percent of Physicians Board  
Certified Specialists..... 69.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 375  
Licensed Practical Nurses ..... 80

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

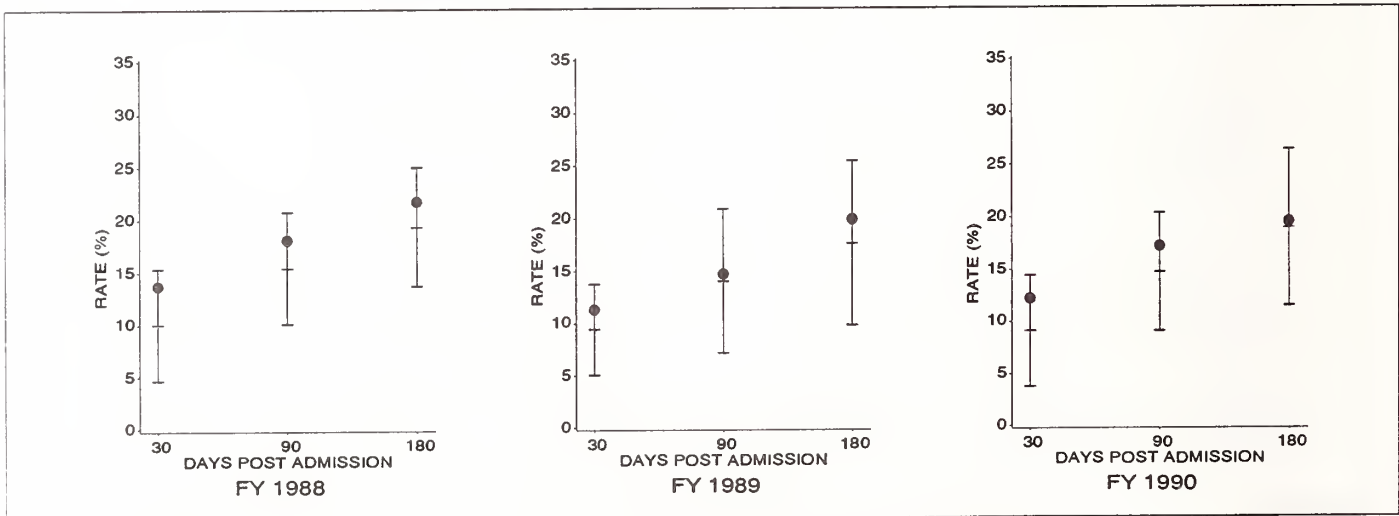
**ST ELIZABETH HOSPITAL**  
 1200 5TH GRANT BLVD WEST  
 WABASHA, MN 55981  
 Medicare Provider Number: 240008

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 221                | 12.2                | 9.1  | 2.7   | 17.2    | 14.7 | 2.8   | 19.5     | 18.9 | 3.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4                  | 0.0                 | 19.6 | ----- | 0.0     | 21.0 | ----- | 0.0      | 22.9 | ----- |
| Congestive Heart Failure.....              | 21                 | 33.3                | 15.6 | ----- | 33.3    | 25.5 | ----- | 33.3     | 32.6 | ----- |
| Pneumonia/Influenza.....                   | 9                  | 33.3                | 13.3 | ----- | 33.3    | 19.5 | ----- | 44.4     | 24.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 40.0                | 11.1 | ----- | 40.0    | 21.2 | ----- | 40.0     | 28.8 | ----- |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 1.2  | ----- | 20.0    | 3.1  | ----- | 20.0     | 5.7  | ----- |
| Stroke.....                                | 12                 | 8.3                 | 18.9 | ----- | 8.3     | 24.5 | ----- | 8.3      | 28.1 | ----- |
| Hip Fracture.....                          | 10                 | 0.0                 | 5.5  | ----- | 10.0    | 10.9 | ----- | 10.0     | 15.4 | ----- |
| Sepsis.....                                | 5                  | 40.0                | 17.4 | ----- | 40.0    | 22.3 | ----- | 40.0     | 25.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 7                  | 0.0                 | 4.6  | ----- | 14.3    | 9.0  | ----- | 14.3     | 13.0 | ----- |
| Open Reduction of Hip Fracture.....        | 3                  | 0.0                 | 6.3  | ----- | 0.0     | 13.5 | ----- | 0.0      | 19.3 | ----- |
| Prostatectomy.....                         | 2                  | 0.0                 | 1.2  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.2  | ----- |
| Cholecystectomy.....                       | 3                  | 0.0                 | 1.0  | ----- | 0.0     | 2.0  | ----- | 0.0      | 2.8  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# ST ELIZABETH HOSPITAL

Medicare Provider Number: 240008

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.5 years  
Proportion female..... 52.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician.... 69.7 %  
Transferred from skilled nursing facility..... 4.1 %  
Admitted for elective procedure..... 38.9 %  
Admitted for emergency..... 19.5 %

### COMORBIDITIES:

Cancer..... 10.0 %  
Chronic cardiovascular disease..... 35.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 13.6 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 6.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 60.1 %  
State ..... 8.0 %  
Outside State ..... 31.9 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.9 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 198  
Occupancy Rate ..... 75.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 48.7 %  
Case Mix Index (CMI) ..... 1.1108

### STAFFING:

Total Number of Physicians..... 10  
Percent of Physicians Board  
Certified Specialists ..... 90.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 12  
Licensed Practical Nurses ..... 2

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST FRANCIS MEDICAL CENTER

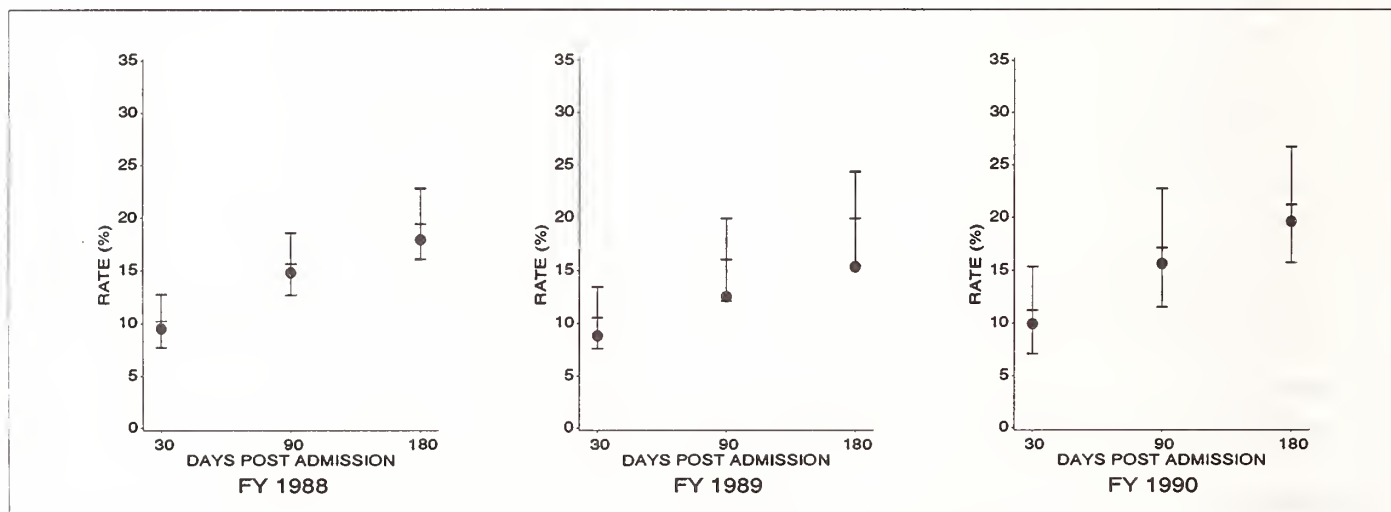
415 OAK STREET  
BRECKENRIDGE, MN 56520  
Medicare Provider Number: 240029

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 639             | 9.9                 | 11.2 | 2.1  | 15.6    | 17.1 | 2.8  | 19.6     | 21.2 | 2.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 28              | 28.6                | 31.2 | ---- | 32.1    | 34.5 | ---- | 35.7     | 37.4 | ---- |
| Congestive Heart Failure.....              | 39              | 20.5                | 18.5 | ---- | 30.8    | 29.1 | ---- | 33.3     | 36.3 | ---- |
| Pneumonia/Influenza.....                   | 46              | 17.4                | 19.3 | ---- | 26.1    | 26.3 | ---- | 30.4     | 30.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 17              | 0.0                 | 8.5  | ---- | 5.9     | 15.0 | ---- | 11.8     | 19.9 | ---- |
| Transient Cerebral Ischemia.....           | 10              | 0.0                 | 2.1  | ---- | 0.0     | 4.9  | ---- | 0.0      | 7.9  | ---- |
| Stroke.....                                | 33              | 30.3                | 24.9 | ---- | 39.4    | 33.8 | ---- | 39.4     | 38.6 | ---- |
| Hip Fracture.....                          | 17              | 5.9                 | 7.7  | ---- | 5.9     | 14.1 | ---- | 23.5     | 18.5 | ---- |
| Sepsis.....                                | 2               | 0.0                 | 22.1 | ---- | 50.0    | 37.4 | ---- | 50.0     | 44.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 1.8  | ---- | 0.0     | 4.2  | ---- | 0.0      | 6.8  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 5.3  | ---- | 0.0     | 10.0 | ---- | 33.3     | 13.6 | ---- |
| Open Reduction of Hip Fracture.....        | 14              | 7.1                 | 7.1  | ---- | 7.1     | 13.5 | ---- | 21.4     | 18.1 | ---- |
| Prostatectomy.....                         | 14              | 0.0                 | 1.1  | ---- | 0.0     | 2.6  | ---- | 0.0      | 4.6  | ---- |
| Cholecystectomy.....                       | 24              | 8.3                 | 4.5  | ---- | 12.5    | 7.5  | ---- | 12.5     | 9.7  | ---- |
| Hysterectomy.....                          | 7               | 0.0                 | 2.6  | ---- | 14.3    | 5.4  | ---- | 14.3     | 8.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST FRANCIS MEDICAL CENTER

Medicare Provider Number: 240029

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.9 years  
Proportion female..... 59.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 51.8 %  
Transferred from skilled nursing facility..... 16.4 %  
Admitted for elective procedure..... 7.4 %  
Admitted for emergency..... 32.7 %

### COMORBIDITIES:

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 39.0 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 5.0 %  
Chronic pulmonary disease..... 16.0 %  
Cerebrovascular degeneration..... 2.3 %  
Diabetes mellitus..... 11.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 22.5%  
State ..... 5.2%  
Outside State ..... 72.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 180  
Occupancy Rate ..... 82.0 %  
Ownership/Control..... Church  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.1825

### STAFFING:

Total Number of Physicians..... 22  
Percent of Physicians Board  
Certified Specialists..... 77.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 52  
Licensed Practical Nurses ..... 18

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST FRANCIS MEDICAL CENTER

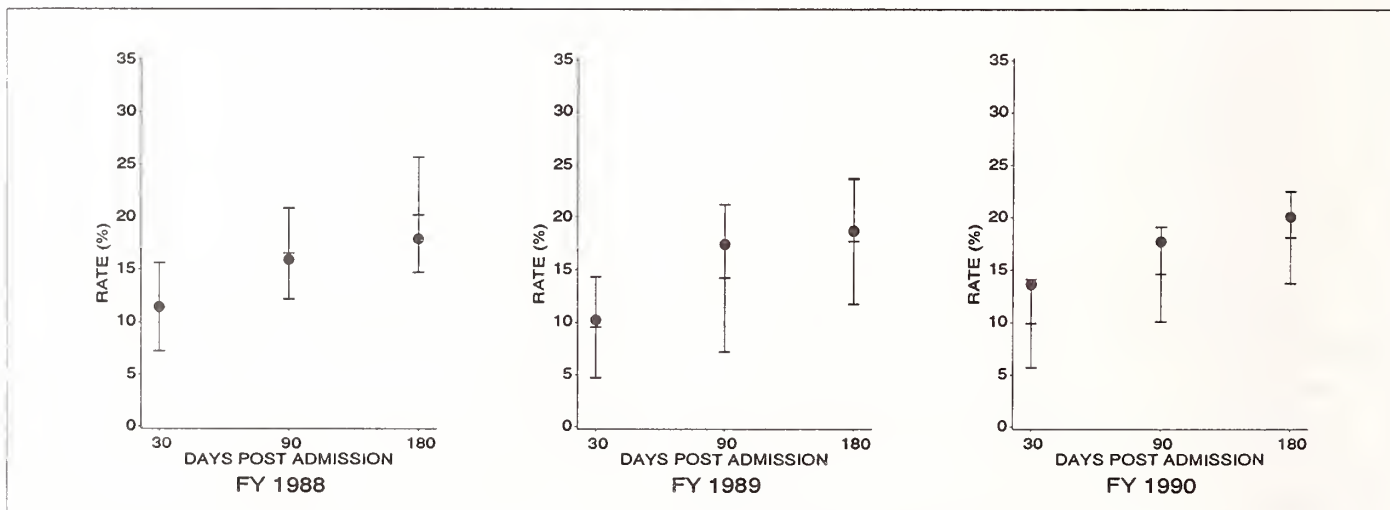
325 WEST 5TH AVE  
SHAKOPEE, MN 55379  
Medicare Provider Number: 240104

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 368             | 13.6                | 9.9  | 2.1   | 17.7    | 14.6 | 2.3   | 20.1     | 18.1 | 2.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 13              | 46.2                | 26.8 | ----- | 46.2    | 30.7 | ----- | 53.8     | 33.7 | ----- |
| Congestive Heart Failure.....              | 33              | 15.2                | 14.6 | ----- | 21.2    | 21.9 | ----- | 24.2     | 27.9 | ----- |
| Pneumonia/Influenza.....                   | 29              | 24.1                | 17.4 | ----- | 34.5    | 23.4 | ----- | 37.9     | 27.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 8.2  | ----- | 0.0     | 13.5 | ----- | 0.0      | 17.7 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 2.6  | ----- | 0.0     | 5.9  | ----- | 0.0      | 9.2  | ----- |
| Stroke.....                                | 15              | 20.0                | 18.9 | ----- | 20.0    | 24.7 | ----- | 20.0     | 29.0 | ----- |
| Hip Fracture.....                          | 8               | 12.5                | 5.8  | ----- | 12.5    | 9.9  | ----- | 12.5     | 12.8 | ----- |
| Sepsis.....                                | 5               | 20.0                | 21.5 | ----- | 20.0    | 26.4 | ----- | 20.0     | 29.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.1  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 8               | 12.5                | 2.5  | ----- | 25.0    | 4.6  | ----- | 25.0     | 6.2  | ----- |
| Open Reduction of Hip Fracture.....        | 5               | 20.0                | 5.5  | ----- | 20.0    | 9.6  | ----- | 20.0     | 12.5 | ----- |
| Prostatectomy.....                         | 13              | 0.0                 | 1.0  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.9  | ----- |
| Cholecystectomy.....                       | 8               | 0.0                 | 1.9  | ----- | 0.0     | 3.6  | ----- | 0.0      | 5.2  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.2  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST FRANCIS MEDICAL CENTER

Medicare Provider Number: 240104

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years

Proportion female..... 59.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 89.7 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 30.4 %

Admitted for emergency..... 65.2 %

### COMORBIDITIES:

Cancer..... 9.5 %

Chronic cardiovascular disease..... 46.5 %

Chronic liver disease..... 0.8 %

Chronic renal disease..... 4.3 %

Chronic pulmonary disease..... 12.5 %

Cerebrovascular degeneration..... 4.3 %

Diabetes mellitus..... 5.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 48.2%

State ..... 47.9%

Outside State ..... 3.9%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.4 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 63

Occupancy Rate ..... 47.0 %

Ownership/Control..... Church

Medicare Discharges ..... 14.9 %

Case Mix Index (CMI) ..... 1.2372

### STAFFING:

Total Number of Physicians..... 52

Percent of Physicians Board  
Certified Specialists..... 76.9 %

Medical Residents/Interns ..... 0

Registered Nurses..... 64

Licensed Practical Nurses ..... 14

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... Yes

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

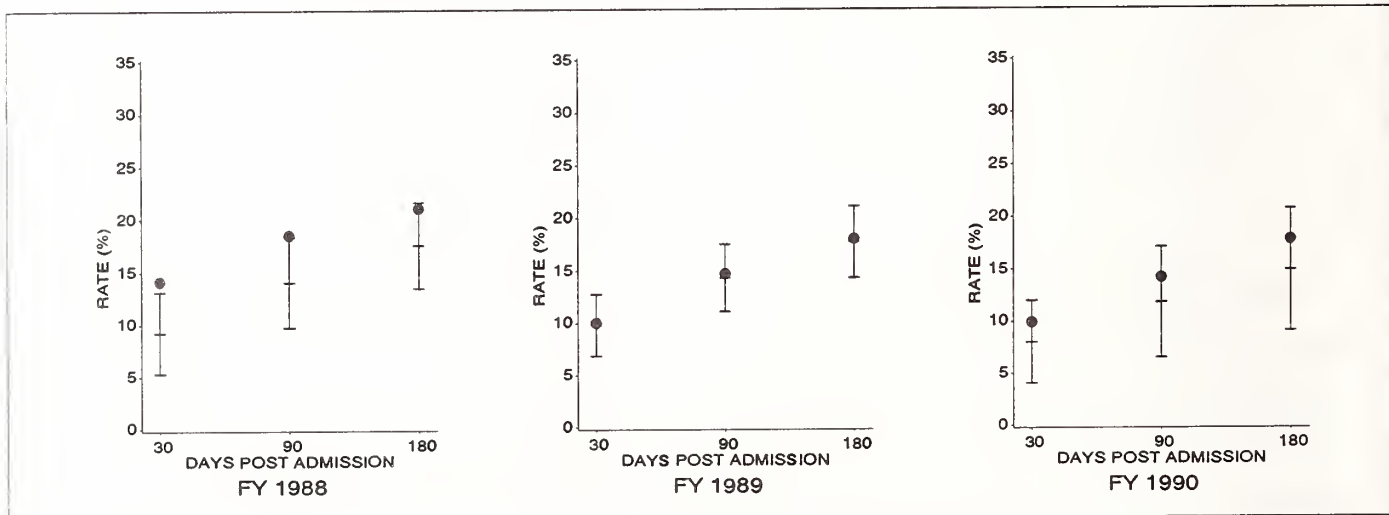
**ST GABRIELS HOSPITAL**  
 815 SOUTHEAST SECOND STREET  
 LITTLE FALLS, MN 56345  
 Medicare Provider Number: 240013

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 664                | 9.9                 | 8.0  | 2.0  | 14.2    | 11.8 | 2.7  | 17.8     | 14.9 | 2.9  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 21                 | 33.3                | 29.4 | ---- | 42.9    | 31.8 | ---- | 47.6     | 34.3 | ---- |
| Congestive Heart Failure.....              | 28                 | 17.9                | 13.0 | ---- | 25.0    | 19.9 | ---- | 32.1     | 26.1 | ---- |
| Pneumonia/Influenza.....                   | 69                 | 20.3                | 13.7 | 6.5  | 24.6    | 18.8 | 7.1  | 30.4     | 22.5 | 8.7  |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 15.4                | 9.0  | ---- | 15.4    | 16.3 | ---- | 23.1     | 21.7 | ---- |
| Transient Cerebral Ischemia.....           | 11                 | 0.0                 | 1.4  | ---- | 9.1     | 3.3  | ---- | 18.2     | 5.6  | ---- |
| Stroke.....                                | 28                 | 25.0                | 20.3 | ---- | 39.3    | 26.2 | ---- | 39.3     | 30.2 | ---- |
| Hip Fracture.....                          | 26                 | 11.5                | 6.1  | ---- | 19.2    | 10.9 | ---- | 23.1     | 14.4 | ---- |
| Sepsis.....                                | 12                 | 25.0                | 14.2 | ---- | 33.3    | 20.5 | ---- | 33.3     | 24.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 3.5  | ---- | 50.0    | 7.8  | ---- | 100.0    | 11.4 | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 21                 | 4.8                 | 2.3  | ---- | 4.8     | 4.4  | ---- | 4.8      | 6.2  | ---- |
| Open Reduction of Hip Fracture.....        | 15                 | 13.3                | 5.8  | ---- | 26.7    | 10.6 | ---- | 33.3     | 14.0 | ---- |
| Prostatectomy.....                         | 38                 | 2.6                 | 1.3  | ---- | 2.6     | 2.9  | ---- | 5.3      | 4.8  | ---- |
| Cholecystectomy.....                       | 19                 | 5.3                 | 1.6  | ---- | 5.3     | 2.7  | ---- | 5.3      | 3.5  | ---- |
| Hysterectomy.....                          | 8                  | 0.0                 | 0.1  | ---- | 0.0     | 0.4  | ---- | 0.0      | 0.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# ST GABRIELS HOSPITAL

Medicare Provider Number: 240013

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.6 years  
Proportion female..... 56.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 79.7 %  
Transferred from skilled nursing facility..... 0.9 %  
Admitted for elective procedure..... 36.1 %  
Admitted for emergency..... 19.0 %

### COMORBIDITIES:

Cancer..... 5.0 %  
Chronic cardiovascular disease..... 38.7 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 11.1 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 7.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.4%  
State ..... 15.8%  
Outside State ..... 0.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 213  
Occupancy Rate ..... 81.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 47.2 %  
Case Mix Index (CMI) ..... 1.1877

### STAFFING:

Total Number of Physicians..... 20  
Percent of Physicians Board  
Certified Specialists..... 95.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 48  
Licensed Practical Nurses ..... 24

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOHNS NE COMMUNITY HOSPITAL

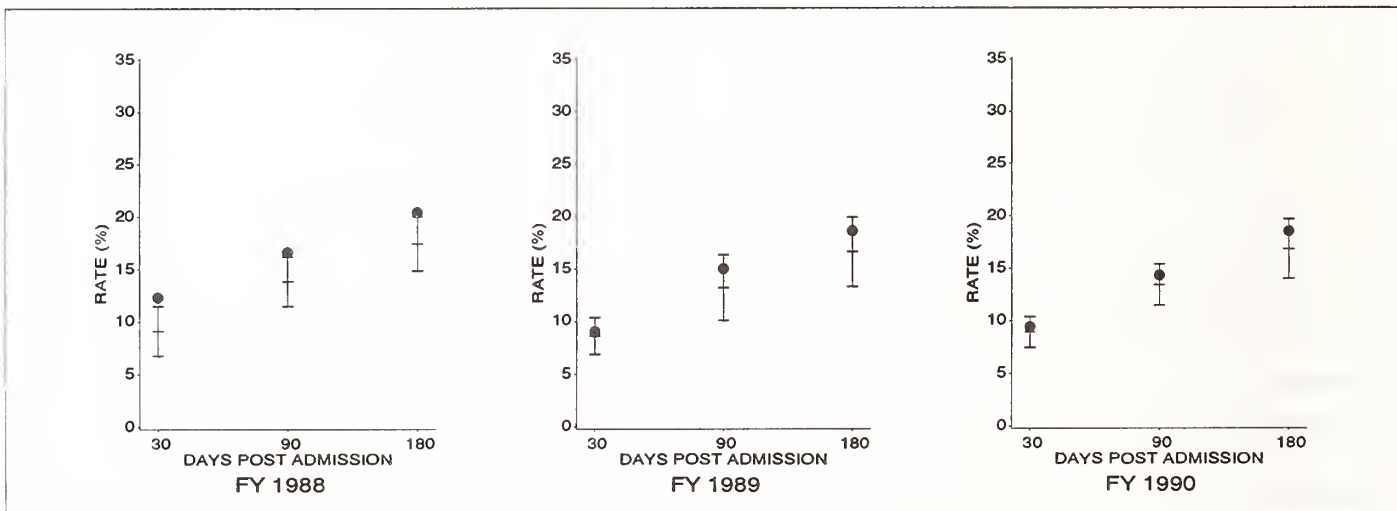
1575 BEAM AVENUE  
MAPLEWOOD, MN 55109  
Medicare Provider Number: 240210

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1888            | 9.4                 | 8.9  | 0.7  | 14.3    | 13.4 | 1.0  | 18.5     | 16.8 | 1.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 80              | 30.0                | 24.4 | 6.1  | 31.3    | 27.5 | 7.0  | 35.0     | 30.5 | 8.4  |
| Congestive Heart Failure.....              | 110             | 18.2                | 15.8 | 5.2  | 28.2    | 24.7 | 10.4 | 37.3     | 31.2 | 11.4 |
| Pneumonia/Influenza.....                   | 94              | 17.0                | 16.2 | 4.4  | 27.7    | 22.0 | 7.4  | 34.0     | 26.0 | 8.7  |
| Chronic Obstructive Pulmonary Disease..... | 21              | 4.8                 | 8.7  | ---- | 4.8     | 14.5 | ---- | 4.8      | 18.6 | ---- |
| Transient Cerebral Ischemia.....           | 44              | 4.5                 | 1.8  | ---- | 4.5     | 3.9  | ---- | 6.8      | 6.4  | ---- |
| Stroke.....                                | 85              | 17.6                | 20.8 | 6.7  | 24.7    | 27.2 | 6.9  | 30.6     | 31.3 | 5.6  |
| Hip Fracture.....                          | 63              | 7.9                 | 6.9  | 3.3  | 11.1    | 12.2 | 4.7  | 14.3     | 16.0 | 6.5  |
| Sepsis.....                                | 19              | 21.1                | 27.0 | ---- | 36.8    | 34.3 | ---- | 42.1     | 38.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 7               | 14.3                | 4.3  | ---- | 14.3    | 7.0  | ---- | 14.3     | 9.4  | ---- |
| Carotid Endarterectomy.....                | 2               | 0.0                 | 1.4  | ---- | 0.0     | 2.7  | ---- | 0.0      | 4.1  | ---- |
| Hip Replacement/Reconstruction.....        | 59              | 6.8                 | 3.3  | 4.1  | 8.5     | 6.1  | 4.2  | 8.5      | 8.2  | 3.8  |
| Open Reduction of Hip Fracture.....        | 25              | 4.0                 | 7.7  | ---- | 8.0     | 13.7 | ---- | 16.0     | 18.2 | ---- |
| Prostatectomy.....                         | 69              | 0.0                 | 0.7  | 1.4  | 2.9     | 1.7  | 1.8  | 2.9      | 2.9  | 2.8  |
| Cholecystectomy.....                       | 48              | 2.1                 | 2.9  | ---- | 6.3     | 6.0  | ---- | 8.3      | 8.7  | ---- |
| Hysterectomy.....                          | 16              | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOHNS NE COMMUNITY HOSPITAL

Medicare Provider Number: 240210

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.8 years  
Proportion female..... 57.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.3 %  
Transferred from skilled nursing facility..... 8.8 %  
Admitted for elective procedure..... 40.7 %  
Admitted for emergency..... 55.7 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 41.8 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 15.6 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 7.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.3%  
State ..... 14.6%  
Outside State ..... 3.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 140  
Occupancy Rate ..... 85.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 18.0 %  
Case Mix Index (CMI) ..... 1.2616

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 177  
Licensed Practical Nurses ..... 30

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOHNS REGIONAL HEALTH CENTER

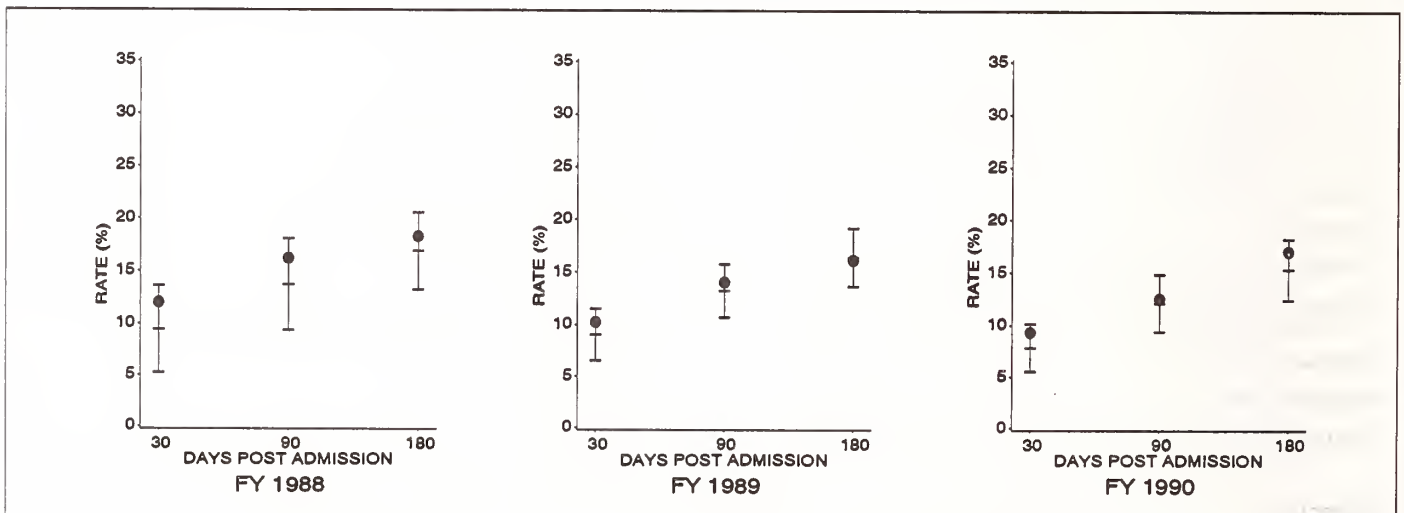
1407 WEST FOURTH STREET  
RED WING, MN 55006  
Medicare Provider Number: 240018

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 808             | 9.3                 | 7.8  | 1.2   | 12.5    | 12.1 | 1.4   | 17.0     | 15.3 | 1.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 27              | 33.3                | 23.7 | ----- | 37.0    | 26.7 | ----- | 44.4     | 29.5 | ----- |
| Congestive Heart Failure.....              | 30              | 10.0                | 14.5 | ----- | 13.3    | 22.8 | ----- | 26.7     | 29.1 | ----- |
| Pneumonia/Influenza.....                   | 66              | 19.7                | 16.5 | 6.3   | 27.3    | 22.9 | 7.0   | 34.8     | 27.5 | 8.9   |
| Chronic Obstructive Pulmonary Disease..... | 16              | 6.3                 | 9.9  | ----- | 6.3     | 17.2 | ----- | 25.0     | 22.9 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.0  | ----- | 0.0     | 2.6  | ----- | 25.0     | 4.5  | ----- |
| Stroke.....                                | 22              | 27.3                | 18.5 | ----- | 27.3    | 24.7 | ----- | 31.8     | 28.8 | ----- |
| Hip Fracture.....                          | 37              | 5.4                 | 5.3  | ----- | 8.1     | 9.5  | ----- | 8.1      | 12.5 | ----- |
| Sepsis.....                                | 7               | 14.3                | 24.4 | ----- | 28.6    | 33.5 | ----- | 42.9     | 39.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3               | 33.3                | 3.5  | ----- | 33.3    | 7.0  | ----- | 33.3     | 10.7 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 44              | 2.3                 | 2.8  | ----- | 4.5     | 5.2  | ----- | 4.5      | 6.9  | ----- |
| Open Reduction of Hip Fracture.....        | 17              | 5.9                 | 4.9  | ----- | 5.9     | 8.9  | ----- | 5.9      | 12.0 | ----- |
| Prostatectomy.....                         | 25              | 4.0                 | 1.3  | ----- | 4.0     | 2.9  | ----- | 4.0      | 4.7  | ----- |
| Cholecystectomy.....                       | 17              | 0.0                 | 2.3  | ----- | 0.0     | 3.9  | ----- | 0.0      | 5.0  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.1  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOHNS REGIONAL HEALTH CENTER

Medicare Provider Number: 240018

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.7 years  
Proportion female..... 59.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.6 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 22.6 %  
Admitted for emergency..... 0.5 %

### COMORBIDITIES:

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 34.6 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 1.1 %  
Chronic pulmonary disease..... 14.7 %  
Cerebrovascular degeneration..... 6.3 %  
Diabetes mellitus..... 5.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 74.3%  
State..... 9.9%  
Outside State..... 15.8%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.5 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds..... 84  
Occupancy Rate..... 44.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 40.3 %  
Case Mix Index (CMI)..... 1.2511

### STAFFING:

Total Number of Physicians..... 31  
Percent of Physicians Board  
Certified Specialists..... 93.5 %  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPHS HOSPITAL

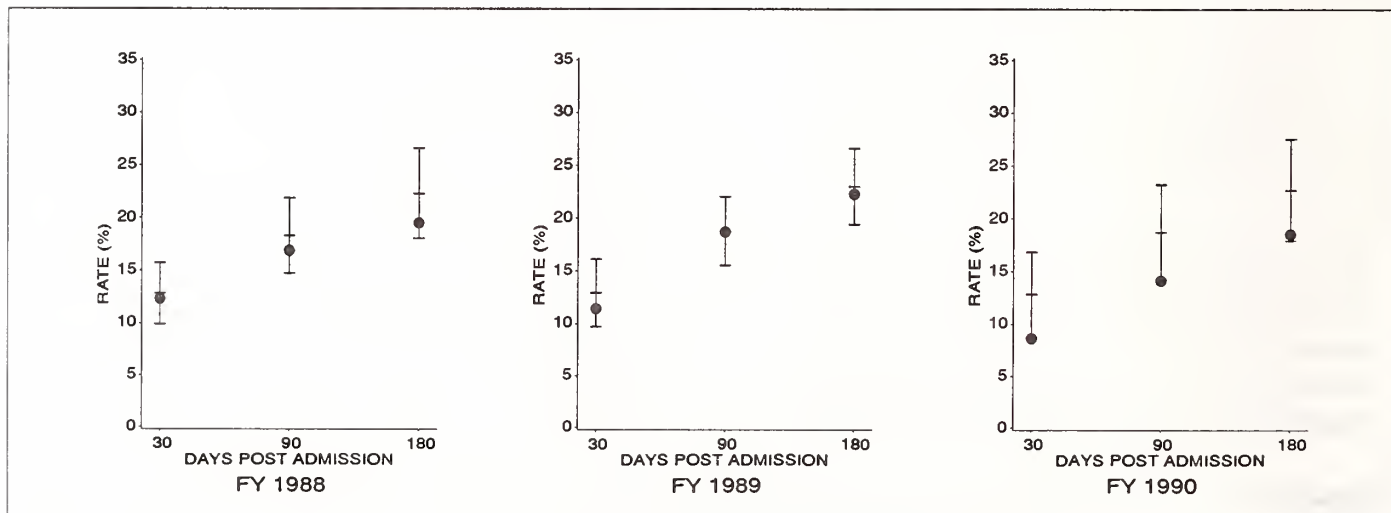
600 PLEASANT AVE  
PARK RAPIDS, MN 56470  
Medicare Provider Number: 240016

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 615                | 8.6                 | 12.8 | 2.0   | 14.1    | 18.7 | 2.3   | 18.5     | 22.7 | 2.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 25                 | 24.0                | 30.4 | ----- | 36.0    | 33.5 | ----- | 36.0     | 36.7 | ----- |
| Congestive Heart Failure.....              | 34                 | 14.7                | 16.7 | ----- | 26.5    | 26.0 | ----- | 35.3     | 33.0 | ----- |
| Pneumonia/Influenza.....                   | 91                 | 3.3                 | 16.6 | 5.5   | 9.9     | 23.3 | 5.8   | 15.4     | 27.7 | 6.7   |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 9.9  | ----- | 0.0     | 21.1 | ----- | 0.0      | 30.3 | ----- |
| Transient Cerebral Ischemia.....           | 7                  | 0.0                 | 1.5  | ----- | 0.0     | 3.6  | ----- | 14.3     | 5.9  | ----- |
| Stroke.....                                | 24                 | 8.3                 | 20.0 | ----- | 8.3     | 25.3 | ----- | 12.5     | 28.8 | ----- |
| Hip Fracture.....                          | 14                 | 14.3                | 10.0 | ----- | 14.3    | 17.7 | ----- | 14.3     | 22.9 | ----- |
| Sepsis.....                                | 11                 | 27.3                | 34.9 | ----- | 27.3    | 45.1 | ----- | 27.3     | 49.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7                  | 14.3                | 5.9  | ----- | 14.3    | 11.5 | ----- | 14.3     | 16.1 | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3                  | 0.0                 | 5.0  | ----- | 0.0     | 9.0  | ----- | 0.0      | 12.2 | ----- |
| Open Reduction of Hip Fracture.....        | 9                  | 22.2                | 10.7 | ----- | 22.2    | 19.6 | ----- | 22.2     | 25.2 | ----- |
| Prostatectomy.....                         | 45                 | 0.0                 | 1.0  | ----- | 2.2     | 2.3  | ----- | 4.4      | 4.0  | ----- |
| Cholecystectomy.....                       | 20                 | 5.0                 | 3.6  | ----- | 10.0    | 6.0  | ----- | 10.0     | 7.6  | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 3.1  | ----- | 0.0     | 7.2  | ----- | 0.0      | 11.6 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**ST JOSEPHS HOSPITAL**  
Medicare Provider Number: 240016

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 77.1 years  
Proportion female..... 51.9 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 24.7 %  
Transferred from skilled nursing facility..... 16.4 %  
Admitted for elective procedure..... 1.5 %  
Admitted for emergency..... 10.1 %

**COMORBIDITIES:**

Cancer..... 8.6 %  
Chronic cardiovascular disease..... 49.3 %  
Chronic liver disease..... 0.2 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 18.7 %  
Cerebrovascular degeneration..... 5.9 %  
Diabetes mellitus..... 7.2 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 54.1 %  
State ..... 41.2 %  
Outside State ..... 4.7 %  
Total ..... 100.0 %

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 38  
Occupancy Rate ..... 60.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 51.5 %  
Case Mix Index (CMI) ..... 1.3267

**STAFFING:**

Total Number of Physicians..... 16  
Percent of Physicians Board  
Certified Specialists..... 93.8 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 47  
Licensed Practical Nurses ..... 11

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPHS HOSPITAL

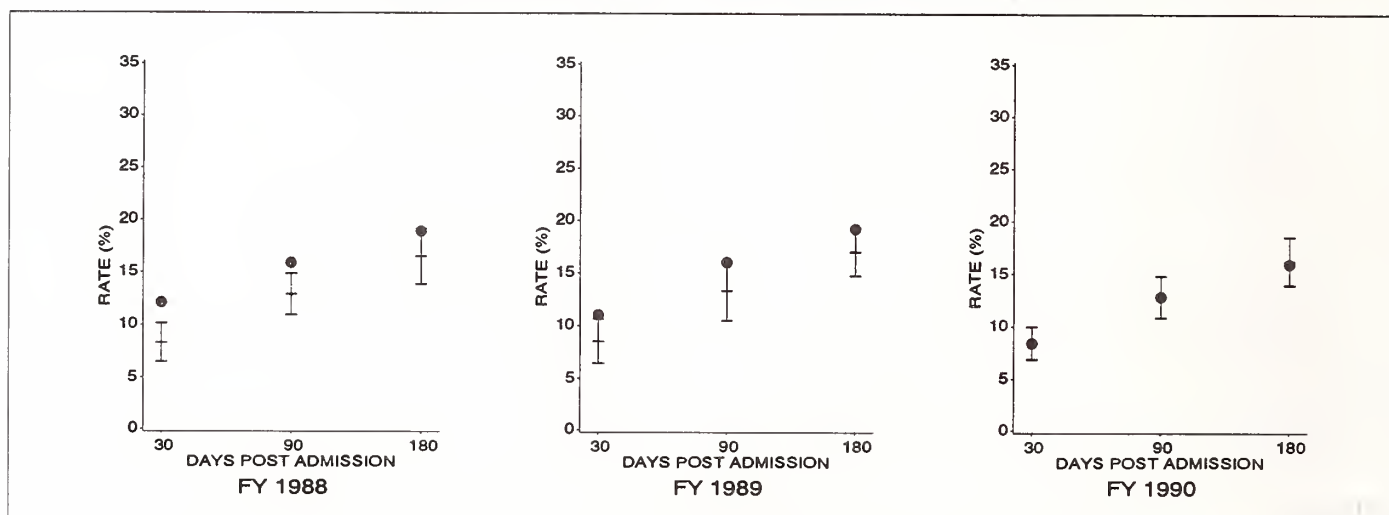
69 WEST EXCHANGE STREET  
ST PAUL, MN 55102  
Medicare Provider Number: 240063

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2697            | 8.4                 | 8.4  | 0.8  | 12.8    | 12.8 | 1.0  | 15.9     | 16.2 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 77              | 20.8                | 26.4 | 5.4  | 23.4    | 29.5 | 5.7  | 23.4     | 32.3 | 6.2  |
| Congestive Heart Failure.....              | 119             | 16.8                | 16.5 | 3.8  | 28.6    | 25.2 | 4.5  | 39.5     | 31.3 | 6.0  |
| Pneumonia/Influenza.....                   | 111             | 11.7                | 15.1 | 5.8  | 18.0    | 20.8 | 4.4  | 23.4     | 24.8 | 4.3  |
| Chronic Obstructive Pulmonary Disease..... | 43              | 7.0                 | 9.6  | ---- | 9.3     | 15.9 | ---- | 14.0     | 20.7 | ---- |
| Transient Cerebral Ischemia.....           | 30              | 3.3                 | 1.5  | ---- | 3.3     | 3.3  | ---- | 3.3      | 5.4  | ---- |
| Stroke.....                                | 110             | 20.0                | 22.1 | 5.2  | 25.5    | 28.0 | 4.9  | 28.2     | 31.7 | 5.6  |
| Hip Fracture.....                          | 58              | 3.4                 | 7.5  | 5.0  | 10.3    | 13.1 | 6.4  | 13.8     | 16.9 | 7.6  |
| Sepsis.....                                | 9               | 33.3                | 31.9 | ---- | 33.3    | 41.1 | ---- | 55.6     | 46.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 56              | 0.0                 | 2.5  | ---- | 0.0     | 3.4  | ---- | 0.0      | 4.3  | ---- |
| Coronary Artery Bypass Graft.....          | 58              | 12.1                | 5.2  | 4.8  | 13.8    | 7.3  | 5.4  | 15.5     | 8.3  | 5.4  |
| Initial Pacemaker Insertion.....           | 28              | 3.6                 | 4.0  | ---- | 10.7    | 7.3  | ---- | 17.9     | 10.2 | ---- |
| Carotid Endarterectomy.....                | 5               | 0.0                 | 1.8  | ---- | 20.0    | 3.6  | ---- | 20.0     | 5.3  | ---- |
| Hip Replacement/Reconstruction.....        | 71              | 0.0                 | 2.4  | 3.2  | 4.2     | 4.6  | 2.5  | 4.2      | 6.2  | 3.5  |
| Open Reduction of Hip Fracture.....        | 31              | 3.2                 | 7.3  | ---- | 3.2     | 13.0 | ---- | 9.7      | 17.1 | ---- |
| Prostatectomy.....                         | 66              | 4.5                 | 1.3  | 2.0  | 4.5     | 3.2  | 3.7  | 6.1      | 5.4  | 4.9  |
| Cholecystectomy.....                       | 55              | 1.8                 | 3.3  | 2.7  | 1.8     | 6.6  | 5.1  | 5.5      | 9.3  | 5.2  |
| Hysterectomy.....                          | 24              | 0.0                 | 0.4  | ---- | 4.2     | 1.0  | ---- | 4.2      | 1.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOSEPHS HOSPITAL

Medicare Provider Number: 240063

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
Proportion female..... 58.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 44.0 %  
Transferred from skilled nursing facility..... 5.9 %  
Admitted for elective procedure..... 59.3 %  
Admitted for emergency..... 38.5 %

### COMORBIDITIES:

Cancer..... 8.4 %  
Chronic cardiovascular disease..... 40.9 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 3.1 %  
Chronic pulmonary disease..... 12.5 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 6.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 77.4%  
State ..... 19.3%  
Outside State ..... 3.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 337  
Occupancy Rate ..... 68.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 24.9 %  
Case Mix Index (CMI) ..... 1.4256

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 261  
Licensed Practical Nurses ..... 47

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPHS MEDICAL CENTER

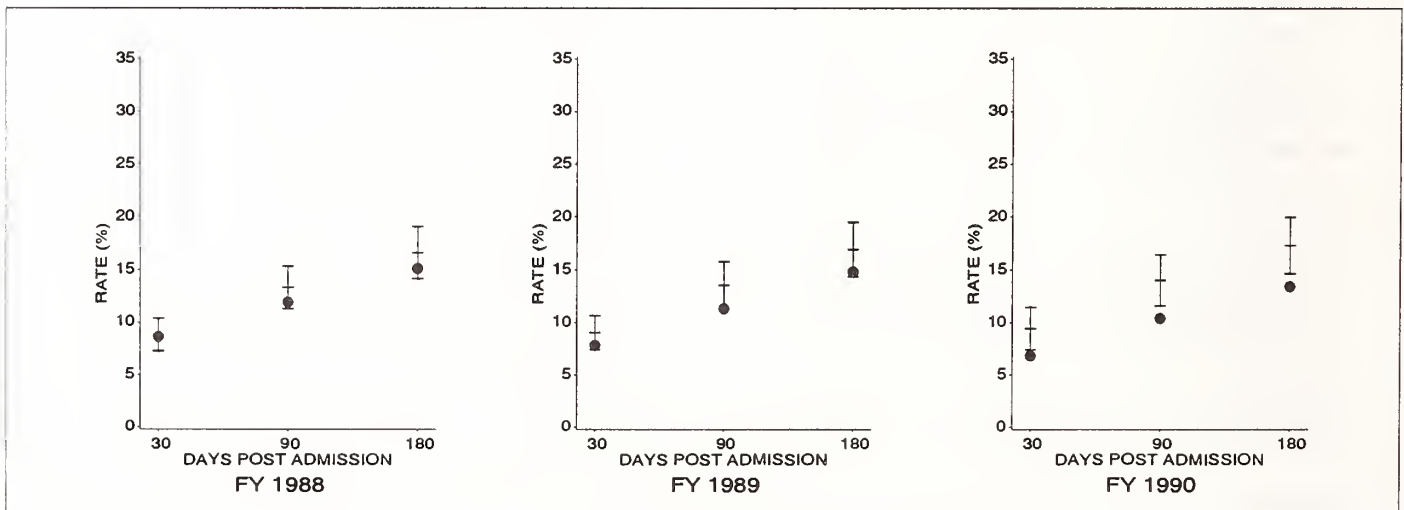
523 NORTH 3RD STREET  
BRainerd, MN 56401  
Medicare Provider Number: 240075

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1593            | 6.8                 | 9.4  | 1.0   | 10.4    | 14.0 | 1.2   | 13.4     | 17.3 | 1.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 67              | 23.9                | 28.6 | 9.1   | 31.3    | 32.6 | 10.2  | 31.3     | 35.9 | 9.3   |
| Congestive Heart Failure.....              | 74              | 12.2                | 15.8 | 5.0   | 17.6    | 24.5 | 7.3   | 25.7     | 31.3 | 8.1   |
| Pneumonia/Influenza.....                   | 86              | 10.5                | 18.8 | 6.0   | 14.0    | 25.5 | 6.4   | 18.6     | 29.9 | 6.2   |
| Chronic Obstructive Pulmonary Disease..... | 15              | 6.7                 | 6.3  | ----- | 6.7     | 12.4 | ----- | 6.7      | 18.0 | ----- |
| Transient Cerebral Ischemia.....           | 26              | 0.0                 | 2.0  | ----- | 3.8     | 4.4  | ----- | 7.7      | 7.1  | ----- |
| Stroke.....                                | 54              | 16.7                | 21.2 | 8.2   | 20.4    | 27.4 | 10.4  | 20.4     | 31.4 | 11.3  |
| Hip Fracture.....                          | 43              | 14.0                | 7.5  | ----- | 16.3    | 12.9 | ----- | 18.6     | 16.6 | ----- |
| Sepsis.....                                | 26              | 11.5                | 24.1 | ----- | 15.4    | 32.4 | ----- | 26.9     | 37.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 4.6  | ----- | 0.0     | 8.8  | ----- | 7.7      | 12.3 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 53              | 7.5                 | 3.8  | 3.8   | 7.5     | 6.8  | 3.5   | 7.5      | 8.9  | 4.1   |
| Open Reduction of Hip Fracture.....        | 24              | 4.2                 | 6.0  | ----- | 8.3     | 10.6 | ----- | 12.5     | 13.9 | ----- |
| Prostatectomy.....                         | 67              | 0.0                 | 1.5  | 2.0   | 0.0     | 3.4  | 3.6   | 1.5      | 5.6  | 4.3   |
| Cholecystectomy.....                       | 21              | 0.0                 | 2.1  | ----- | 0.0     | 3.7  | ----- | 0.0      | 4.9  | ----- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOSEPHS MEDICAL CENTER

Medicare Provider Number: 240075

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
Proportion female..... 51.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 33.3 %  
Transferred from skilled nursing facility..... 8.7 %  
Admitted for elective procedure..... 15.5 %  
Admitted for emergency..... 66.0 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 40.7 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 0.6 %  
Chronic pulmonary disease..... 16.3 %  
Cerebrovascular degeneration..... 3.9 %  
Diabetes mellitus..... 6.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 69.5%  
State..... 26.5%  
Outside State..... 4.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.6 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 162  
Occupancy Rate..... 53.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 43.4 %  
Case Mix Index (CMI)..... 1.2117

### STAFFING:

Total Number of Physicians..... 56  
Percent of Physicians Board  
Certified Specialists..... 85.7 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 100  
Licensed Practical Nurses..... 37

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST LUKES HOSPITAL OF DULUTH

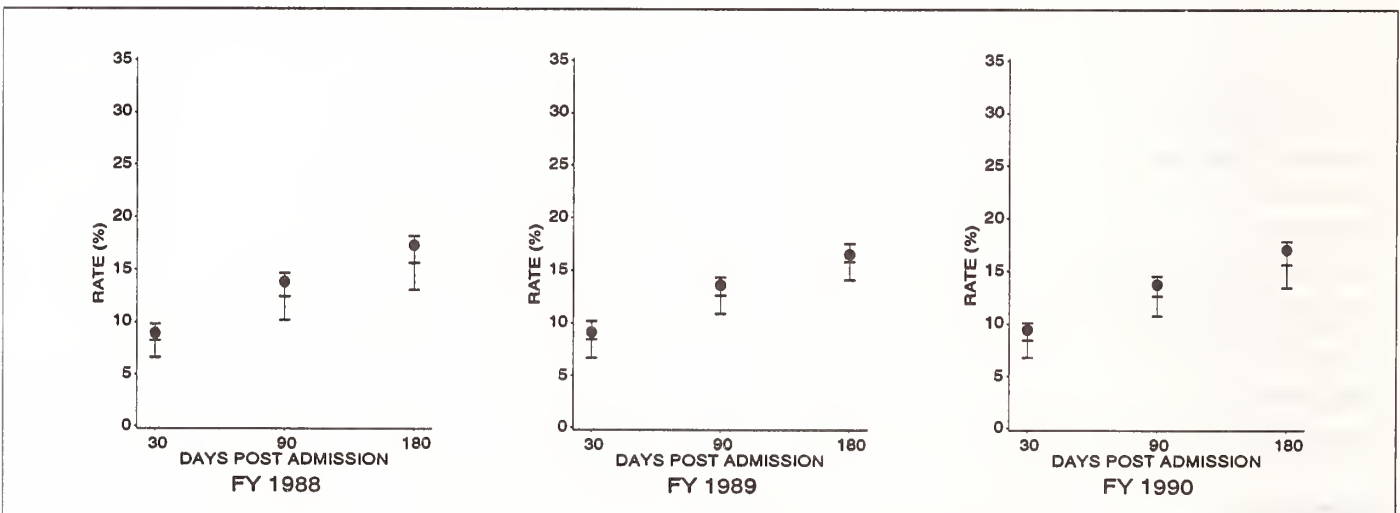
915 E 1ST ST  
DULUTH, MN 55805  
Medicare Provider Number: 240047

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2188            | 9.4                 | 8.4  | 0.8   | 13.7    | 12.6 | 0.9   | 17.0     | 15.6 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 59              | 25.4                | 26.0 | 6.8   | 27.1    | 28.7 | 6.9   | 28.8     | 31.5 | 7.4   |
| Congestive Heart Failure.....              | 74              | 10.8                | 15.9 | 6.6   | 20.3    | 24.8 | 6.4   | 33.8     | 30.9 | 6.6   |
| Pneumonia/Influenza.....                   | 78              | 15.4                | 16.0 | 4.2   | 20.5    | 21.7 | 4.8   | 25.6     | 25.7 | 5.4   |
| Chronic Obstructive Pulmonary Disease..... | 24              | 12.5                | 6.5  | ----- | 25.0    | 12.0 | ----- | 29.2     | 16.7 | ----- |
| Transient Cerebral Ischemia.....           | 28              | 0.0                 | 1.5  | ----- | 3.6     | 3.4  | ----- | 3.6      | 5.2  | ----- |
| Stroke.....                                | 94              | 29.8                | 22.1 | 8.4   | 33.0    | 27.6 | 8.2   | 36.2     | 31.3 | 7.4   |
| Hip Fracture.....                          | 89              | 6.7                 | 6.9  | 2.7   | 10.1    | 12.0 | 3.6   | 12.4     | 15.5 | 4.4   |
| Sepsis.....                                | 11              | 18.2                | 17.1 | ----- | 18.2    | 22.7 | ----- | 36.4     | 26.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 3.6  | ----- | 0.0     | 6.6  | ----- | 0.0      | 9.2  | ----- |
| Carotid Endarterectomy.....                | 5               | 0.0                 | 1.1  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.1  | ----- |
| Hip Replacement/Reconstruction.....        | 85              | 0.0                 | 2.4  | 3.1   | 1.2     | 4.3  | 4.2   | 3.5      | 5.8  | 4.1   |
| Open Reduction of Hip Fracture.....        | 42              | 9.5                 | 6.5  | ----- | 11.9    | 11.5 | ----- | 11.9     | 15.0 | ----- |
| Prostatectomy.....                         | 98              | 1.0                 | 0.9  | 1.0   | 2.0     | 2.1  | 1.6   | 3.1      | 3.7  | 2.5   |
| Cholecystectomy.....                       | 39              | 7.7                 | 2.1  | ----- | 10.3    | 3.7  | ----- | 15.4     | 5.1  | ----- |
| Hysterectomy.....                          | 21              | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST LUKES HOSPITAL OF DULUTH

Medicare Provider Number: 240047

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.1 years  
Proportion female..... 55.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.8 %  
Transferred from skilled nursing facility..... 1.1 %  
Admitted for elective procedure..... 41.0 %  
Admitted for emergency..... 53.6 %

### COMORBIDITIES:

Cancer..... 6.4 %  
Chronic cardiovascular disease..... 28.3 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 13.5 %  
Cerebrovascular degeneration..... 5.8 %  
Diabetes mellitus..... 4.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 67.8%  
State ..... 19.6%  
Outside State ..... 12.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.6 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 220  
Occupancy Rate ..... 62.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 30.1 %  
Case Mix Index (CMI) ..... 1.4158

### STAFFING:

Total Number of Physicians..... 225  
Percent of Physicians Board  
Certified Specialists ..... 91.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 220  
Licensed Practical Nurses ..... 62

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

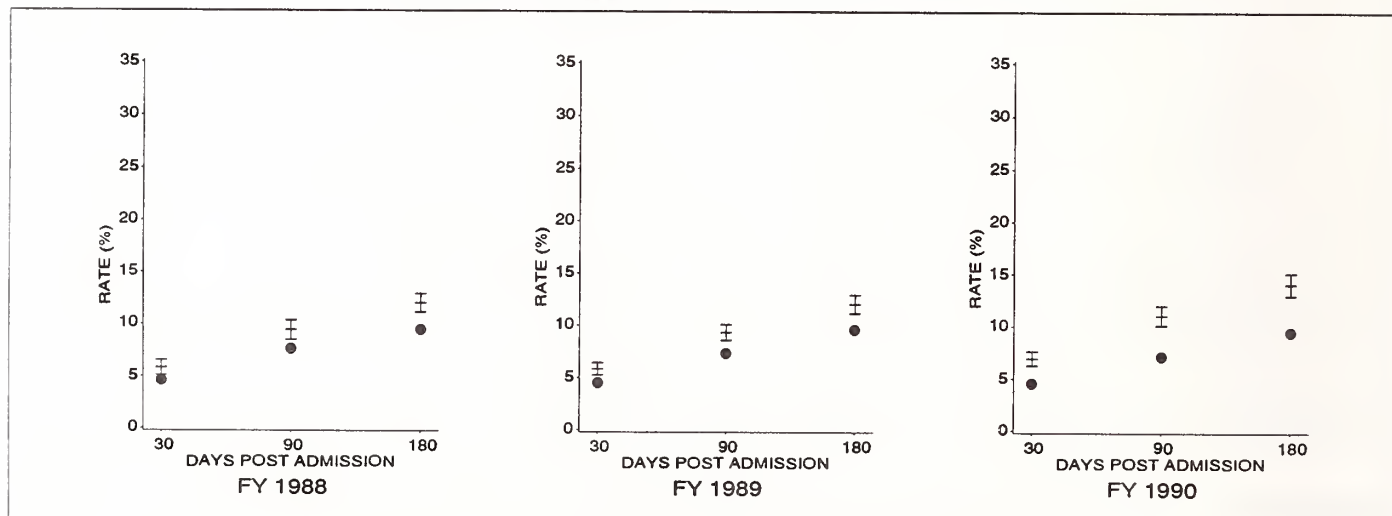
**ST MARYS HOSPITAL**  
1216 2ND ST SW  
ROCHESTER, MN 55902  
Medicare Provider Number: 240010

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 8811               | 4.5                 | 6.9  | 0.3   | 7.1     | 11.0 | 0.5   | 9.4      | 14.0 | 0.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 219                | 21.5                | 22.5 | 2.8   | 23.3    | 25.4 | 3.1   | 26.0     | 28.0 | 3.4   |
| Congestive Heart Failure.....              | 220                | 11.4                | 14.9 | 4.0   | 17.7    | 23.2 | 4.1   | 25.0     | 29.6 | 4.1   |
| Pneumonia/Influenza.....                   | 134                | 7.5                 | 14.2 | 3.6   | 10.4    | 19.7 | 4.7   | 12.7     | 23.7 | 5.0   |
| Chronic Obstructive Pulmonary Disease..... | 64                 | 3.1                 | 7.7  | 4.0   | 4.7     | 13.2 | 6.2   | 14.1     | 17.7 | 5.1   |
| Transient Cerebral Ischemia.....           | 102                | 2.0                 | 1.8  | 1.4   | 2.9     | 3.9  | 2.2   | 5.9      | 6.2  | 3.0   |
| Stroke.....                                | 240                | 15.8                | 18.3 | 2.7   | 19.6    | 24.1 | 3.6   | 21.7     | 27.7 | 3.9   |
| Hip Fracture.....                          | 111                | 7.2                 | 6.5  | 2.9   | 12.6    | 11.3 | 3.1   | 14.4     | 14.7 | 3.6   |
| Sepsis.....                                | 33                 | 9.1                 | 19.4 | ----- | 18.2    | 27.0 | ----- | 21.2     | 31.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 169                | 4.1                 | 4.1  | 1.5   | 5.3     | 5.2  | 1.7   | 7.1      | 6.2  | 2.1   |
| Coronary Artery Bypass Graft.....          | 264                | 3.0                 | 6.2  | 2.2   | 5.3     | 8.8  | 2.5   | 7.2      | 10.0 | 2.7   |
| Initial Pacemaker Insertion.....           | 98                 | 2.0                 | 3.3  | 1.9   | 3.1     | 6.2  | 2.9   | 3.1      | 8.9  | 3.9   |
| Carotid Endarterectomy.....                | 84                 | 1.2                 | 2.0  | 1.9   | 3.6     | 3.8  | 2.1   | 4.8      | 5.5  | 2.7   |
| Hip Replacement/Reconstruction.....        | 363                | 1.4                 | 1.3  | 0.7   | 2.2     | 2.6  | 1.1   | 2.8      | 3.6  | 1.3   |
| Open Reduction of Hip Fracture.....        | 23                 | 8.7                 | 6.9  | ----- | 13.0    | 12.7 | ----- | 13.0     | 16.7 | ----- |
| Prostatectomy.....                         | 268                | 0.0                 | 1.2  | 1.1   | 0.0     | 3.0  | 2.3   | 0.4      | 5.1  | 3.2   |
| Cholecystectomy.....                       | 99                 | 1.0                 | 3.6  | 2.3   | 3.0     | 7.0  | 3.4   | 4.0      | 9.8  | 4.3   |
| Hysterectomy.....                          | 30                 | 0.0                 | 0.9  | ----- | 6.7     | 2.0  | ----- | 6.7      | 3.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# ST MARYS HOSPITAL

Medicare Provider Number: 240010

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.6 years  
Proportion female..... 45.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.9 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 59.1 %  
Admitted for emergency..... 13.7 %

### COMORBIDITIES:

Cancer..... 8.9 %  
Chronic cardiovascular disease..... 34.6 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 3.1 %  
Chronic pulmonary disease..... 11.3 %  
Cerebrovascular degeneration..... 2.3 %  
Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 16.5%  
State ..... 34.6%  
Outside State ..... 48.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 946  
Occupancy Rate ..... 81.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 39.6 %  
Case Mix Index (CMI) ..... 1.8258

### STAFFING:

Total Number of Physicians..... 898  
Percent of Physicians Board  
Certified Specialists..... 85.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses.....1144  
Licensed Practical Nurses ..... 303

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST MARYS HOSPITAL

551 4TH ST NORTH  
WINSTED, MN 55395  
Medicare Provider Number: 240074

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2                  | 0.0                 | 8.2  | ----- | 50.0    | 13.8 | ----- | 50.0     | 17.0 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 1                  | 0.0                 | 10.5 | ----- | 100.0   | 15.6 | ----- | 100.0    | 17.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# ST MARYS HOSPITAL

Medicare Provider Number: 240074

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 50.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 100.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 50.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 50.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 0.0%  
State ..... 100.0%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1988

### PROFILE:

Total Beds ..... 25  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 0.8762

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 7  
Licensed Practical Nurses..... 2

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST MARYS MEDICAL CENTER

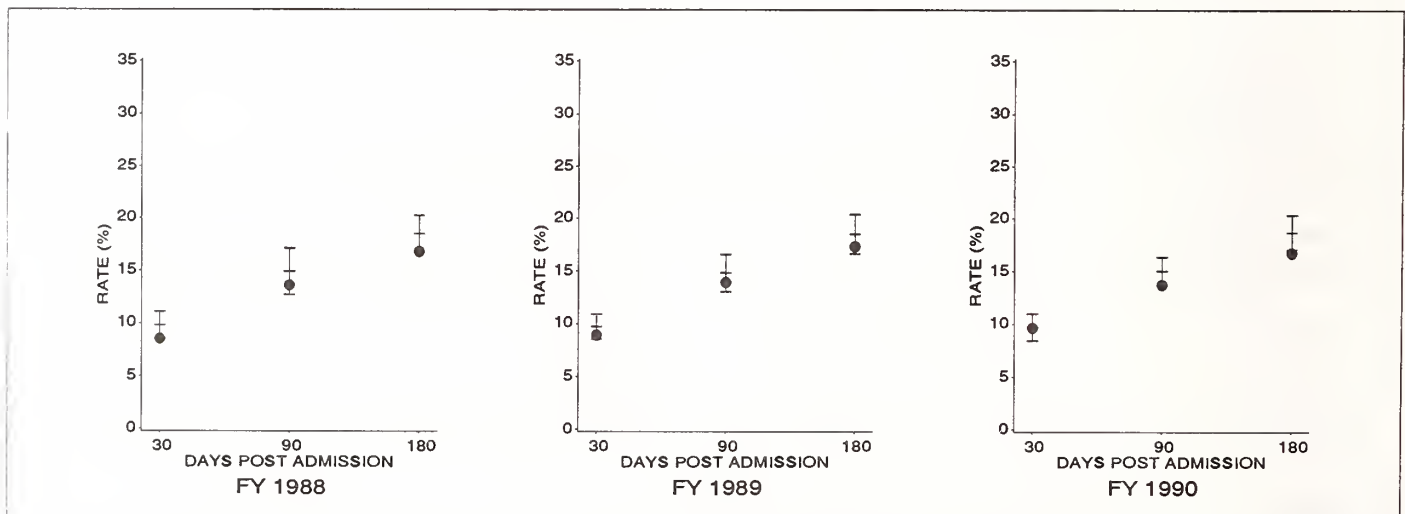
407 E 3RD ST  
DULUTH, MN 55805  
Medicare Provider Number: 240002

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3706            | 9.6                 | 9.7  | 0.6   | 13.7    | 15.0 | 0.7   | 16.7     | 18.7 | 0.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 132             | 19.7                | 22.7 | 4.4   | 22.7    | 25.8 | 4.6   | 27.3     | 28.6 | 4.3   |
| Congestive Heart Failure.....              | 150             | 16.7                | 13.3 | 3.8   | 25.3    | 20.8 | 5.8   | 30.7     | 26.6 | 5.9   |
| Pneumonia/Influenza.....                   | 86              | 19.8                | 18.7 | 5.1   | 24.4    | 25.8 | 5.4   | 29.1     | 30.4 | 7.2   |
| Chronic Obstructive Pulmonary Disease..... | 23              | 8.7                 | 8.8  | ----- | 8.7     | 15.7 | ----- | 17.4     | 21.0 | ----- |
| Transient Cerebral Ischemia.....           | 37              | 0.0                 | 1.6  | ----- | 2.7     | 3.6  | ----- | 5.4      | 5.9  | ----- |
| Stroke.....                                | 115             | 22.6                | 18.5 | 7.1   | 30.4    | 24.8 | 7.0   | 33.0     | 28.6 | 6.1   |
| Hip Fracture.....                          | 92              | 7.6                 | 7.1  | 3.3   | 13.0    | 12.5 | 3.5   | 15.2     | 16.1 | 4.5   |
| Sepsis.....                                | 38              | 23.7                | 22.2 | ----- | 26.3    | 29.0 | ----- | 26.3     | 33.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 41              | 2.4                 | 1.9  | ----- | 4.9     | 2.7  | ----- | 4.9      | 3.4  | ----- |
| Coronary Artery Bypass Graft.....          | 98              | 2.0                 | 6.4  | 3.4   | 3.1     | 9.2  | 4.2   | 5.1      | 10.5 | 4.5   |
| Initial Pacemaker Insertion.....           | 54              | 5.6                 | 3.4  | 3.9   | 9.3     | 6.4  | 5.1   | 13.0     | 9.2  | 5.2   |
| Carotid Endarterectomy.....                | 2               | 0.0                 | 1.2  | ----- | 0.0     | 2.0  | ----- | 0.0      | 2.8  | ----- |
| Hip Replacement/Reconstruction.....        | 116             | 4.3                 | 3.0  | 2.1   | 7.8     | 5.5  | 3.0   | 8.6      | 7.4  | 2.8   |
| Open Reduction of Hip Fracture.....        | 34              | 5.9                 | 7.3  | ----- | 11.8    | 13.2 | ----- | 14.7     | 17.5 | ----- |
| Prostatectomy.....                         | 176             | 0.6                 | 1.0  | 0.9   | 2.3     | 2.3  | 1.1   | 2.3      | 3.9  | 2.2   |
| Cholecystectomy.....                       | 73              | 5.5                 | 3.5  | 2.6   | 6.8     | 6.9  | 3.1   | 11.0     | 9.6  | 4.1   |
| Hysterectomy.....                          | 59              | 1.7                 | 0.3  | 1.4   | 1.7     | 0.8  | 1.4   | 1.7      | 1.3  | 1.6   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST MARYS MEDICAL CENTER

Medicare Provider Number: 240002

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.1 years  
Proportion female..... 53.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 44.3 %  
Transferred from skilled nursing facility..... 6.3 %  
Admitted for elective procedure..... 29.7 %  
Admitted for emergency..... 42.4 %

### COMORBIDITIES:

Cancer..... 11.6 %  
Chronic cardiovascular disease..... 44.1 %  
Chronic liver disease..... 1.8 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 12.3 %  
Cerebrovascular degeneration..... 5.4 %  
Diabetes mellitus..... 6.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 58.5%  
State..... 17.1%  
Outside State..... 24.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.3 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 303  
Occupancy Rate..... 72.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 30.0 %  
Case Mix Index (CMI)..... 1.6185

### STAFFING:

Total Number of Physicians..... 251  
Percent of Physicians Board  
Certified Specialists..... 82.5 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 355  
Licensed Practical Nurses..... 138

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST MARYS REGIONAL HEALTH CENTER

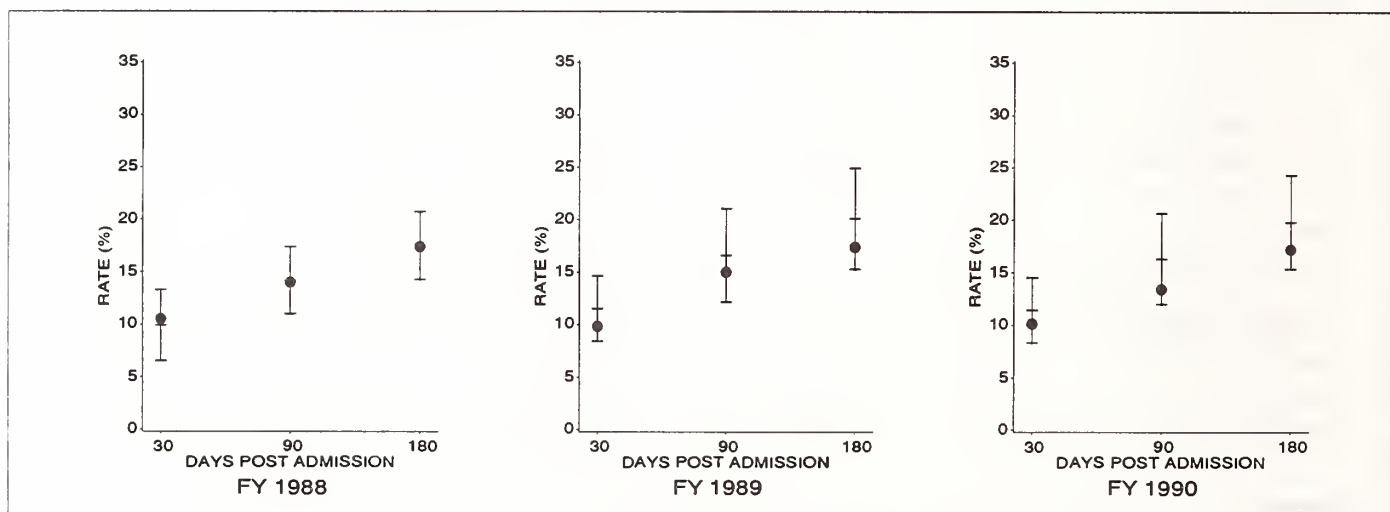
1027 WASHINGTON AVE  
DETROIT LAKES, MN 56501  
Medicare Provider Number: 240101

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 583             | 10.1                | 11.4 | 1.6  | 13.4    | 16.3 | 2.2  | 17.2     | 19.8 | 2.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 26              | 23.1                | 29.2 | ---- | 23.1    | 31.6 | ---- | 23.1     | 34.0 | ---- |
| Congestive Heart Failure.....              | 29              | 20.7                | 13.9 | ---- | 20.7    | 21.2 | ---- | 24.1     | 27.7 | ---- |
| Pneumonia/Influenza.....                   | 38              | 10.5                | 17.4 | ---- | 18.4    | 24.0 | ---- | 18.4     | 28.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 17              | 17.6                | 7.5  | ---- | 23.5    | 12.4 | ---- | 29.4     | 16.1 | ---- |
| Transient Cerebral Ischemia.....           | 9               | 11.1                | 2.5  | ---- | 22.2    | 5.4  | ---- | 33.3     | 8.7  | ---- |
| Stroke.....                                | 21              | 23.8                | 27.5 | ---- | 33.3    | 35.2 | ---- | 38.1     | 39.7 | ---- |
| Hip Fracture.....                          | 7               | 14.3                | 8.7  | ---- | 14.3    | 16.0 | ---- | 14.3     | 20.2 | ---- |
| Sepsis.....                                | 8               | 12.5                | 19.4 | ---- | 12.5    | 24.2 | ---- | 12.5     | 28.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 5.2  | ---- | 16.7    | 10.4 | ---- | 16.7     | 14.8 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 9               | 11.1                | 5.8  | ---- | 11.1    | 10.8 | ---- | 11.1     | 13.8 | ---- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 4.6  | ---- | 0.0     | 10.3 | ---- | 0.0      | 15.2 | ---- |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 26              | 3.8                 | 1.7  | ---- | 3.8     | 2.9  | ---- | 3.8      | 4.0  | ---- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.8  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST MARYS REGIONAL HEALTH CENTER

Medicare Provider Number: 240101

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 56.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 4.6 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 0.2 %  
Admitted for emergency..... 47.7 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 36.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 13.0 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.2%  
State ..... 14.5%  
Outside State ..... 3.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.8 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 168  
Occupancy Rate ..... 79.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 32.0 %  
Case Mix Index (CMI) ..... 1.2310

### STAFFING:

Total Number of Physicians..... 23  
Percent of Physicians Board  
Certified Specialists..... 82.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 38  
Licensed Practical Nurses ..... 22

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST MICHAELS HOSPITAL

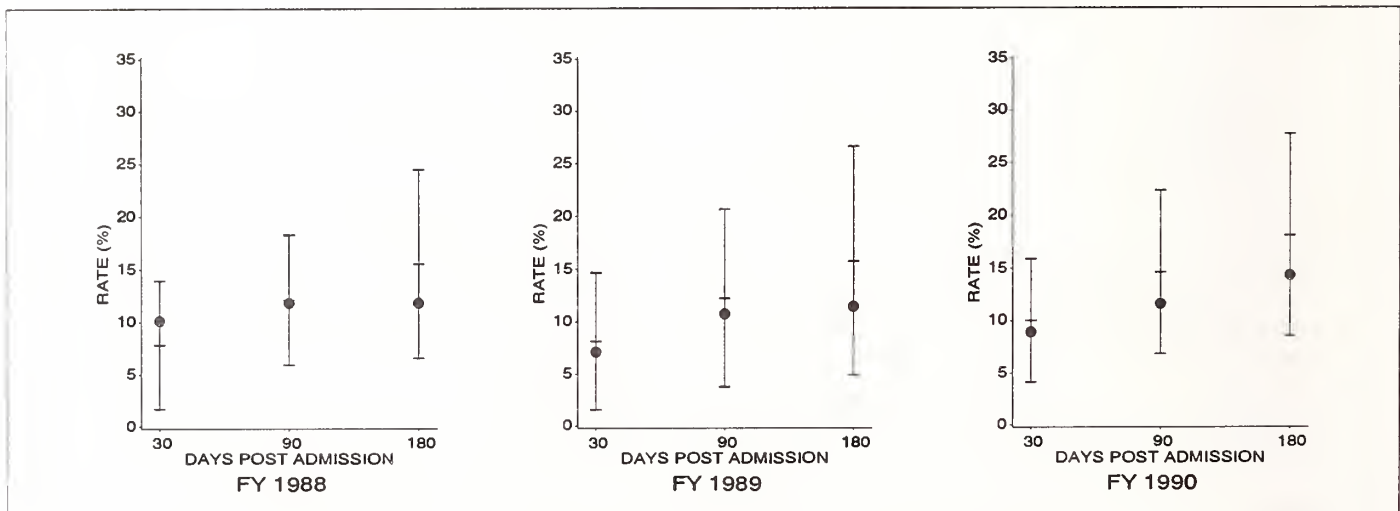
425 N ELM  
SAUK CENTRE, MN 56378  
Medicare Provider Number: 240031

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 112                | 8.9                 | 10.0 | 2.9   | 11.6    | 14.6 | 3.9   | 14.3     | 18.1 | 4.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8                  | 12.5                | 30.1 | ----- | 12.5    | 32.1 | ----- | 12.5     | 34.7 | ----- |
| Congestive Heart Failure.....              | 9                  | 22.2                | 16.3 | ----- | 33.3    | 25.7 | ----- | 44.4     | 31.8 | ----- |
| Pneumonia/Influenza.....                   | 11                 | 18.2                | 13.8 | ----- | 18.2    | 19.3 | ----- | 18.2     | 23.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 8.5  | ----- | 0.0     | 16.2 | ----- | 0.0      | 22.1 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 2.1  | ----- | 0.0     | 4.7  | ----- | 0.0      | 7.3  | ----- |
| Stroke.....                                | 1                  | 0.0                 | 13.6 | ----- | 0.0     | 16.6 | ----- | 0.0      | 19.8 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 3                  | 0.0                 | 36.6 | ----- | 66.7    | 54.7 | ----- | 66.7     | 63.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2                  | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.4  | ----- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.6  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST MICHAELS HOSPITAL

Medicare Provider Number: 240031

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 53.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.1 %  
Transferred from skilled nursing facility..... 0.9 %  
Admitted for elective procedure..... 8.9 %  
Admitted for emergency..... 58.9 %

### COMORBIDITIES:

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 40.2 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 6.3 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 6.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.0%  
State ..... 14.1%  
Outside State ..... 2.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.4 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 90  
Occupancy Rate ..... 70.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... (Not Available)  
Case Mix Index (CMI) ..... 0.9099

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

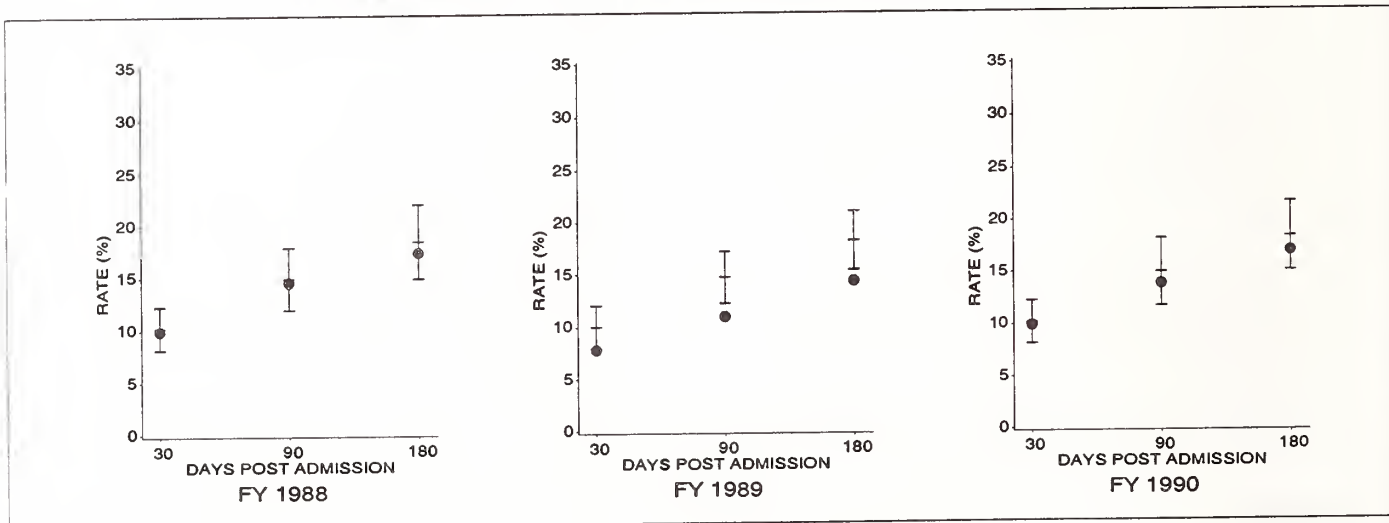
**ST OLAFS HOSPITAL**  
 300 EIGHTH AVE NW  
 AUSTIN, MN 55912  
 Medicare Provider Number: 240117

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 923             | 9.9                 | 10.2 | 1.0   | 13.8    | 14.9 | 1.6   | 16.9     | 18.3 | 1.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 34              | 32.4                | 29.8 | ----- | 38.2    | 33.8 | ----- | 38.2     | 36.6 | ----- |
| Congestive Heart Failure.....              | 76              | 19.7                | 14.1 | 5.1   | 25.0    | 22.1 | 4.9   | 30.3     | 28.0 | 5.4   |
| Pneumonia/Influenza.....                   | 67              | 9.0                 | 19.2 | 6.1   | 14.9    | 25.9 | 7.3   | 17.9     | 30.1 | 7.9   |
| Chronic Obstructive Pulmonary Disease..... | 19              | 5.3                 | 7.0  | ----- | 10.5    | 12.8 | ----- | 15.8     | 17.9 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.5  | ----- | 0.0     | 3.4  | ----- | 12.5     | 5.7  | ----- |
| Stroke.....                                | 41              | 17.1                | 22.2 | ----- | 26.8    | 28.1 | ----- | 26.8     | 31.8 | ----- |
| Hip Fracture.....                          | 28              | 7.1                 | 7.1  | ----- | 10.7    | 12.6 | ----- | 10.7     | 16.3 | ----- |
| Sepsis.....                                | 13              | 15.4                | 22.7 | ----- | 30.8    | 29.3 | ----- | 38.5     | 33.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 23              | 4.3                 | 3.0  | ----- | 4.3     | 5.5  | ----- | 8.7      | 7.4  | ----- |
| Open Reduction of Hip Fracture.....        | 13              | 15.4                | 7.3  | ----- | 15.4    | 13.2 | ----- | 15.4     | 16.9 | ----- |
| Prostatectomy.....                         | 16              | 0.0                 | 0.9  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.2  | ----- |
| Cholecystectomy.....                       | 19              | 5.3                 | 2.0  | ----- | 5.3     | 3.7  | ----- | 5.3      | 4.8  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# ST OLAFS HOSPITAL

Medicare Provider Number: 240117

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.1 years  
Proportion female..... 57.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.1 %  
Admitted for emergency..... 62.2 %

### COMORBIDITIES:

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 39.1 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 16.9 %  
Cerebrovascular degeneration..... 6.5 %  
Diabetes mellitus..... 5.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 88.5%  
State..... 10.1%  
Outside State..... 1.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.7 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 108  
Occupancy Rate..... 44.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... (Not Available)  
Case Mix Index (CMI)..... 1.1127

### STAFFING:

Total Number of Physicians..... 38  
Percent of Physicians Board  
Certified Specialists..... 76.3 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 74  
Licensed Practical Nurses..... 24

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST PAUL RAMSEY MEDICAL CENTER

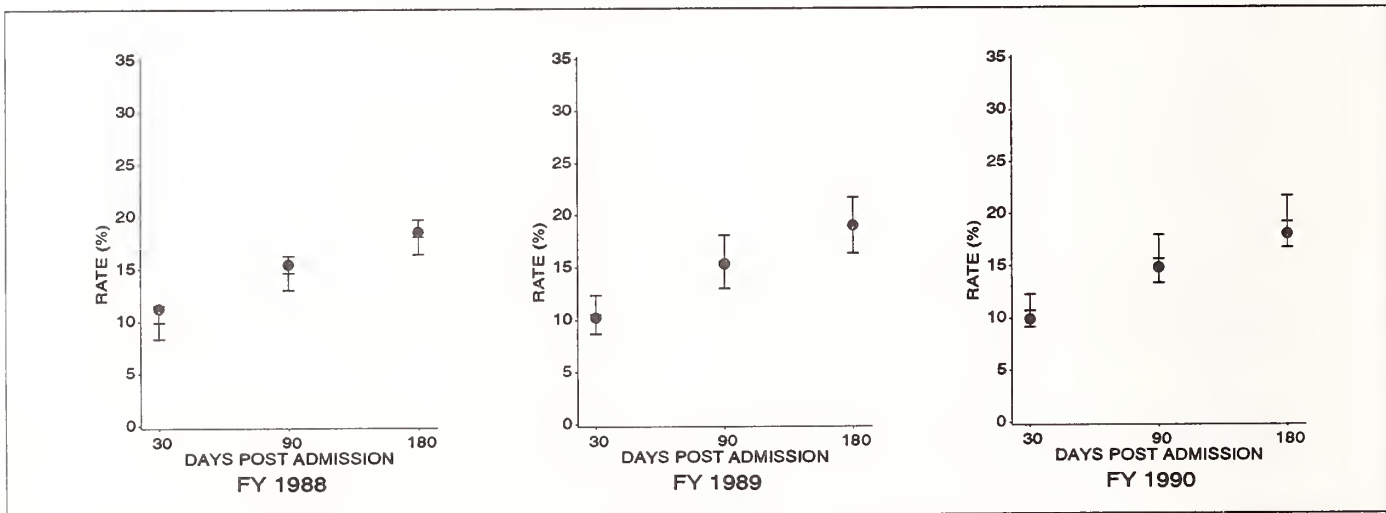
640 JACKSON STREET  
ST PAUL, MN 55101  
Medicare Provider Number: 240106

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2359            | 9.9                 | 10.7 | 0.8  | 14.8    | 15.6 | 1.2  | 18.0     | 19.2 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 100             | 31.0                | 27.3 | 5.4  | 35.0    | 30.6 | 6.1  | 35.0     | 33.6 | 4.9  |
| Congestive Heart Failure.....              | 121             | 10.7                | 16.5 | 5.1  | 16.5    | 25.3 | 6.6  | 22.3     | 31.8 | 7.1  |
| Pneumonia/Influenza.....                   | 122             | 13.1                | 18.6 | 5.8  | 22.1    | 25.8 | 7.1  | 25.4     | 30.4 | 5.7  |
| Chronic Obstructive Pulmonary Disease..... | 45              | 13.3                | 11.5 | ---- | 20.0    | 20.2 | ---- | 26.7     | 26.3 | ---- |
| Transient Cerebral Ischemia.....           | 36              | 0.0                 | 2.5  | ---- | 0.0     | 5.5  | ---- | 5.6      | 8.6  | ---- |
| Stroke.....                                | 70              | 20.0                | 23.4 | 7.9  | 27.1    | 31.0 | 10.2 | 27.1     | 35.1 | 11.4 |
| Hip Fracture.....                          | 52              | 3.8                 | 8.9  | 5.2  | 7.7     | 15.3 | 7.2  | 7.7      | 19.6 | 9.3  |
| Sepsis.....                                | 19              | 21.1                | 33.6 | ---- | 36.8    | 44.9 | ---- | 42.1     | 51.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 30              | 3.3                 | 5.3  | ---- | 3.3     | 6.3  | ---- | 10.0     | 7.3  | ---- |
| Coronary Artery Bypass Graft.....          | 36              | 8.3                 | 7.0  | ---- | 11.1    | 9.5  | ---- | 11.1     | 10.4 | ---- |
| Initial Pacemaker Insertion.....           | 9               | 11.1                | 2.6  | ---- | 11.1    | 5.5  | ---- | 11.1     | 8.7  | ---- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 1.2  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.6  | ---- |
| Hip Replacement/Reconstruction.....        | 31              | 0.0                 | 3.9  | ---- | 0.0     | 7.0  | ---- | 3.2      | 9.3  | ---- |
| Open Reduction of Hip Fracture.....        | 25              | 8.0                 | 8.7  | ---- | 8.0     | 15.3 | ---- | 8.0      | 19.5 | ---- |
| Prostatectomy.....                         | 29              | 3.4                 | 1.8  | ---- | 3.4     | 3.9  | ---- | 6.9      | 6.3  | ---- |
| Cholecystectomy.....                       | 17              | 5.9                 | 5.6  | ---- | 11.8    | 8.1  | ---- | 11.8     | 9.6  | ---- |
| Hysterectomy.....                          | 9               | 0.0                 | 1.0  | ---- | 0.0     | 2.4  | ---- | 11.1     | 3.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST PAUL RAMSEY MEDICAL CENTER

Medicare Provider Number: 240106

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 69.2 years  
Proportion female..... 55.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 8.1 %  
Transferred from skilled nursing facility..... 18.6 %  
Admitted for elective procedure..... 10.4 %  
Admitted for emergency..... 70.2 %

### COMORBIDITIES:

Cancer..... 5.3 %  
Chronic cardiovascular disease..... 36.7 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 3.5 %  
Chronic pulmonary disease..... 13.6 %  
Cerebrovascular degeneration..... 13.1 %  
Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.2%  
State ..... 16.3%  
Outside State ..... 9.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.5 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 304  
Occupancy Rate ..... 79.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 27.4 %  
Case Mix Index (CMI) ..... 1.2886

### STAFFING:

Total Number of Physicians..... 161  
Percent of Physicians Board  
Certified Specialists..... 83.2 %  
Medical Residents/Interns ..... 52  
Registered Nurses..... 401  
Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST PETER COMMUNITY HOSPITAL

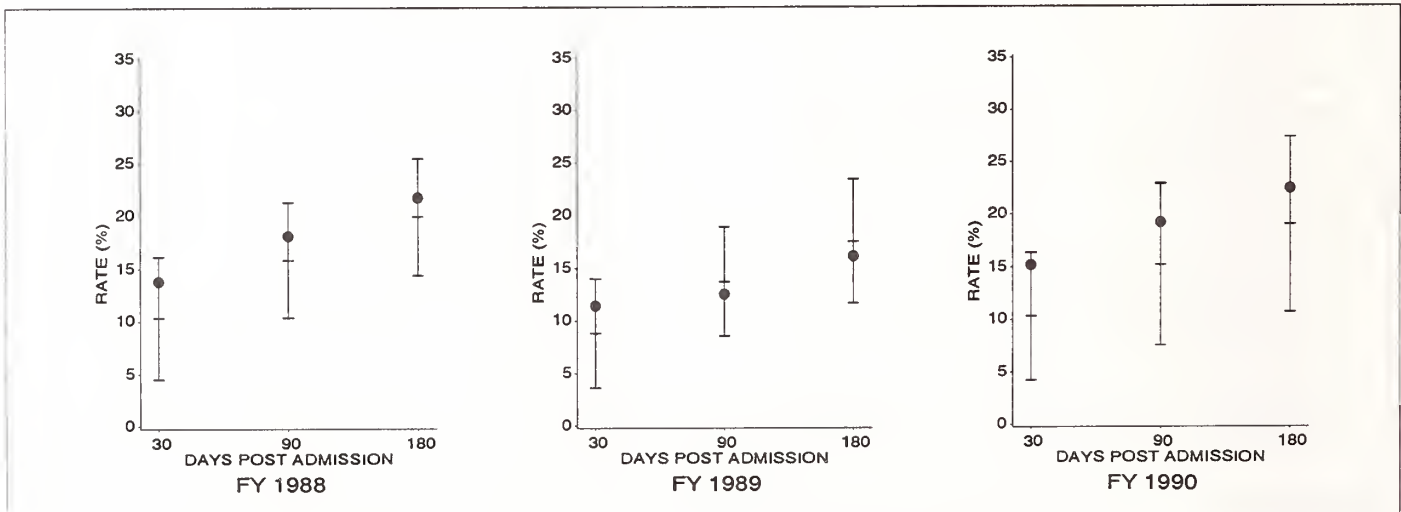
618 WEST BROADWAY  
ST PETER, MN 56082  
Medicare Provider Number: 240023

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 250             | 15.2                | 10.3 | 3.0   | 19.2    | 15.2 | 3.8   | 22.4     | 19.0 | 4.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11              | 45.5                | 27.7 | ----- | 45.5    | 30.7 | ----- | 45.5     | 34.0 | ----- |
| Congestive Heart Failure.....              | 16              | 18.8                | 12.9 | ----- | 31.3    | 20.7 | ----- | 37.5     | 26.5 | ----- |
| Pneumonia/Influenza.....                   | 18              | 11.1                | 12.1 | ----- | 22.2    | 17.2 | ----- | 22.2     | 20.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 0.0                 | 3.3  | ----- | 0.0     | 6.6  | ----- | 11.1     | 9.5  | ----- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 2.0  | ----- | 0.0     | 4.7  | ----- | 0.0      | 8.0  | ----- |
| Stroke.....                                | 19              | 21.1                | 17.8 | ----- | 21.1    | 23.4 | ----- | 21.1     | 27.5 | ----- |
| Hip Fracture.....                          | 3               | 0.0                 | 6.1  | ----- | 33.3    | 10.8 | ----- | 33.3     | 15.8 | ----- |
| Sepsis.....                                | 4               | 25.0                | 34.1 | ----- | 25.0    | 43.1 | ----- | 25.0     | 48.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 8.2  | ----- | 100.0   | 14.1 | ----- | 100.0    | 19.2 | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 3.2  | ----- | 0.0     | 6.0  | ----- | 0.0      | 8.8  | ----- |
| Prostatectomy.....                         | 3               | 0.0                 | 0.6  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.7  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 0.9  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.6  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST PETER COMMUNITY HOSPITAL

Medicare Provider Number: 240023

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.8 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 93.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 6.0 %  
Chronic cardiovascular disease..... 31.6 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.2 %  
Chronic pulmonary disease..... 16.0 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 68.7%  
State ..... 30.4%  
Outside State ..... 0.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 121  
Occupancy Rate ..... 77.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 53.4 %  
Case Mix Index (CMI) ..... 1.0560

### STAFFING:

Total Number of Physicians..... 9  
Percent of Physicians Board  
Certified Specialists..... 77.8 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 14  
Licensed Practical Nurses ..... 8

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# STEVENS COMMUNITY MEMORIAL HOSPITAL

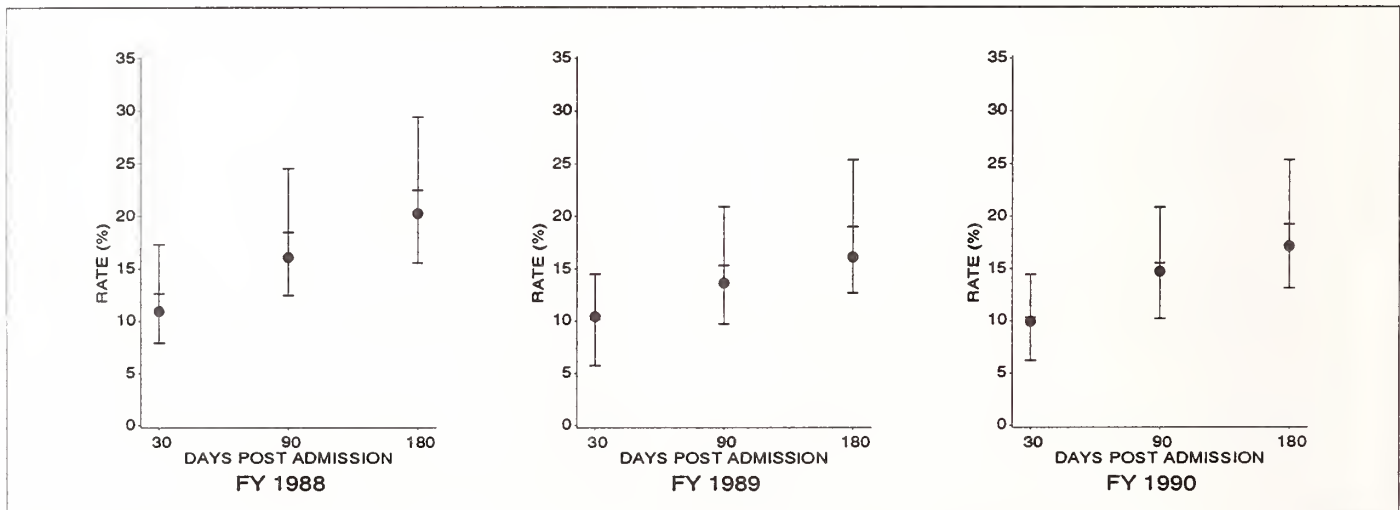
400 E 1ST ST  
MORRIS, MN 56267  
Medicare Provider Number: 240087

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 293             | 9.9                 | 10.3 | 2.1   | 14.7    | 15.5 | 2.7   | 17.1     | 19.2 | 3.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8               | 37.5                | 31.8 | ----- | 50.0    | 35.0 | ----- | 50.0     | 38.0 | ----- |
| Congestive Heart Failure.....              | 15              | 6.7                 | 17.3 | ----- | 13.3    | 26.7 | ----- | 20.0     | 33.3 | ----- |
| Pneumonia/Influenza.....                   | 34              | 8.8                 | 15.4 | ----- | 14.7    | 20.9 | ----- | 20.6     | 24.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 5.8  | ----- | 0.0     | 11.1 | ----- | 50.0     | 15.4 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 0.8  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.5  | ----- |
| Stroke.....                                | 22              | 22.7                | 21.1 | ----- | 36.4    | 28.5 | ----- | 36.4     | 33.1 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 3.0  | ----- | 0.0     | 5.1  | ----- | 0.0      | 6.5  | ----- |
| Sepsis.....                                | 2               | 0.0                 | 39.4 | ----- | 0.0     | 44.1 | ----- | 0.0      | 48.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 8               | 12.5                | 4.6  | ----- | 12.5    | 8.5  | ----- | 12.5     | 12.2 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 2.7  | ----- | 0.0     | 4.7  | ----- | 0.0      | 6.2  | ----- |
| Prostatectomy.....                         | 7               | 14.3                | 1.0  | ----- | 14.3    | 2.5  | ----- | 14.3     | 4.5  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 1.5  | ----- | 0.0     | 2.7  | ----- | 0.0      | 3.4  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 1.4  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# STEVENS COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 240087

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.8 years

Proportion female..... 54.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 59.5 %

Transferred from skilled nursing facility..... 0.3 %

Admitted for elective procedure..... 3.1 %

Admitted for emergency..... 37.4 %

### COMORBIDITIES:

Cancer..... 4.8 %

Chronic cardiovascular disease..... 48.0 %

Chronic liver disease..... 0.3 %

Chronic renal disease..... 1.7 %

Chronic pulmonary disease..... 12.9 %

Cerebrovascular degeneration..... 5.1 %

Diabetes mellitus..... 4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 78.9%

State ..... 19.9%

Outside State ..... 1.2%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 42

Occupancy Rate ..... 28.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 46.8 %

Case Mix Index (CMI) ..... 1.0920

### STAFFING:

Total Number of Physicians..... 10

Percent of Physicians Board  
Certified Specialists..... 100.0 %

Medical Residents/Interns ..... 0

Registered Nurses..... 12

Licensed Practical Nurses ..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SWIFT COUNTY-BENSON HOSPITAL

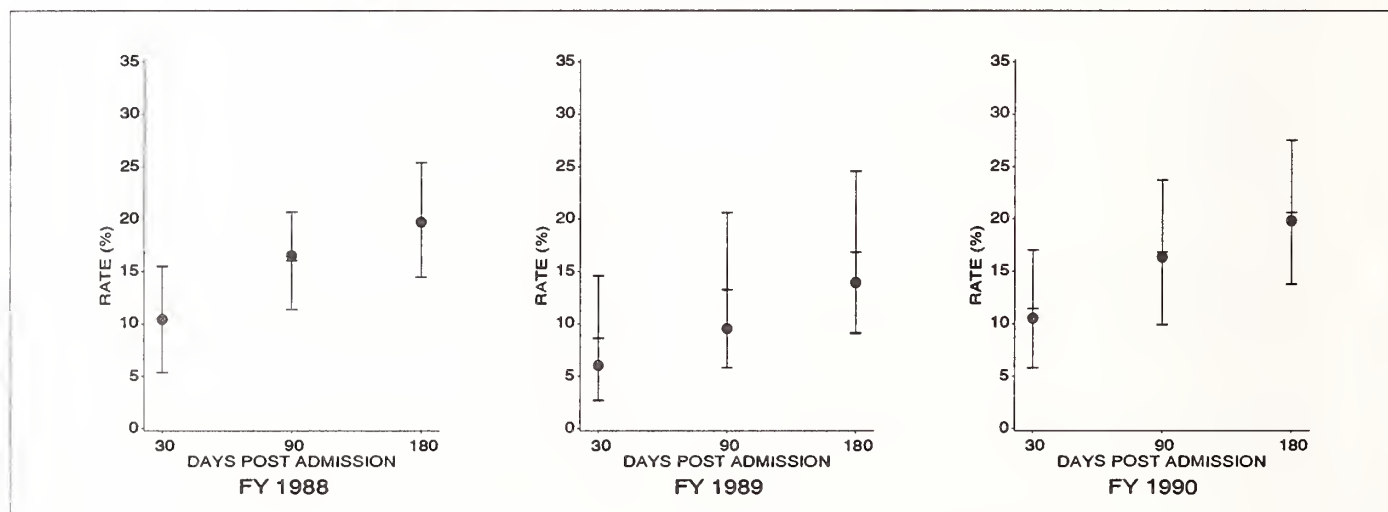
1815 WISCONSIN AVE  
BENSON, MN 56215  
Medicare Provider Number: 240107

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 258             | 10.5                | 11.4 | 2.8   | 16.3    | 16.8 | 3.5   | 19.8     | 20.6 | 3.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 30.0                | 29.8 | ----- | 40.0    | 34.6 | ----- | 40.0     | 37.6 | ----- |
| Congestive Heart Failure.....              | 19              | 26.3                | 17.3 | ----- | 26.3    | 27.9 | ----- | 31.6     | 35.1 | ----- |
| Pneumonia/Influenza.....                   | 30              | 6.7                 | 17.0 | ----- | 13.3    | 23.1 | ----- | 16.7     | 27.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 11.6 | ----- | 0.0     | 21.5 | ----- | 0.0      | 27.9 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 2.1  | ----- | 0.0     | 4.9  | ----- | 0.0      | 8.2  | ----- |
| Stroke.....                                | 12              | 25.0                | 20.8 | ----- | 33.3    | 25.3 | ----- | 41.7     | 28.6 | ----- |
| Hip Fracture.....                          | 1               | 100.0               | 5.9  | ----- | 100.0   | 11.6 | ----- | 100.0    | 15.3 | ----- |
| Sepsis.....                                | 8               | 37.5                | 29.4 | ----- | 62.5    | 37.9 | ----- | 62.5     | 42.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 3               | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.6  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SWIFT COUNTY-BENSON HOSPITAL

Medicare Provider Number: 240107

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.5 years  
Proportion female..... 57.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.1 %  
Transferred from skilled nursing facility..... 2.3 %  
Admitted for elective procedure..... 11.6 %  
Admitted for emergency..... 1.9 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 30.6 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 13.2 %  
Cerebrovascular degeneration..... 6.2 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 92.0%  
State ..... 6.6%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 31  
Occupancy Rate ..... 38.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 71.9 %  
Case Mix Index (CMI) ..... 0.9847

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses ..... 8

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# TRACY MUNICIPAL HOSPITAL

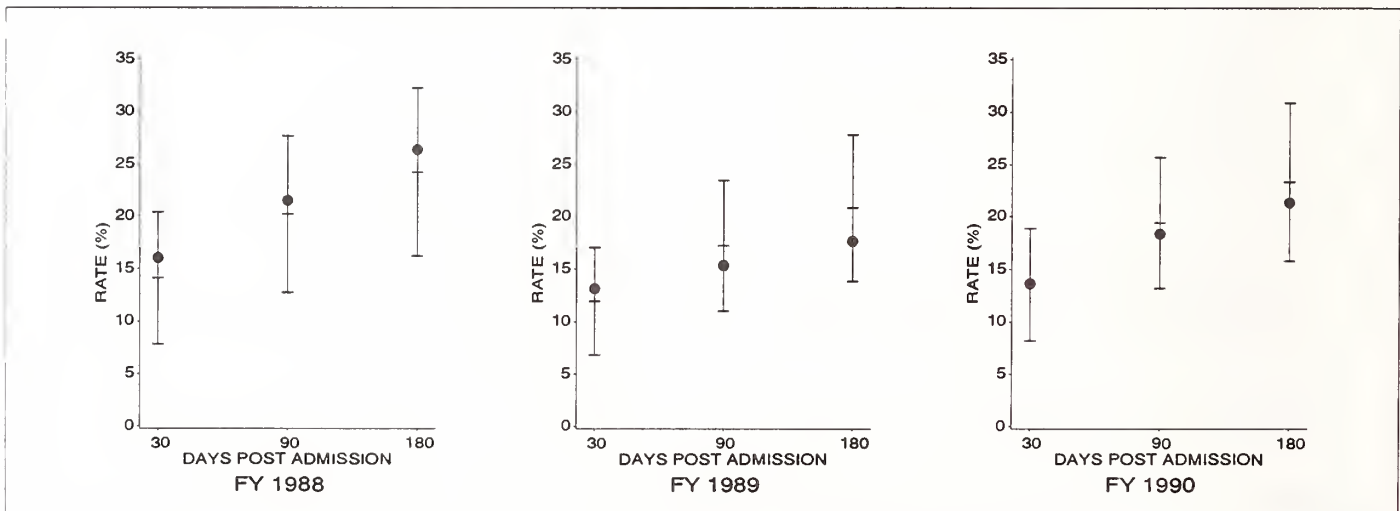
5TH ST EAST  
TRACY, MN 56175  
Medicare Provider Number: 240009

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 169                | 13.6                | 13.5 | 2.7  | 18.3    | 19.4 | 3.1  | 21.3     | 23.3 | 3.8  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 8                  | 50.0                | 34.6 | ---- | 50.0    | 37.0 | ---- | 50.0     | 39.3 | ---- |
| Congestive Heart Failure.....              | 6                  | 0.0                 | 13.6 | ---- | 0.0     | 20.3 | ---- | 0.0      | 26.5 | ---- |
| Pneumonia/Influenza.....                   | 33                 | 9.1                 | 12.3 | ---- | 12.1    | 17.5 | ---- | 12.1     | 20.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 10                 | 10.0                | 13.6 | ---- | 30.0    | 23.9 | ---- | 30.0     | 30.3 | ---- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.9  | ---- | 0.0     | 5.3  | ---- | 0.0      | 9.5  | ---- |
| Stroke.....                                | 6                  | 50.0                | 30.3 | ---- | 50.0    | 39.8 | ---- | 50.0     | 45.9 | ---- |
| Hip Fracture.....                          | 4                  | 50.0                | 13.0 | ---- | 50.0    | 20.0 | ---- | 50.0     | 25.1 | ---- |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 7                  | 0.0                 | 1.2  | ---- | 0.0     | 2.7  | ---- | 0.0      | 4.7  | ---- |
| Cholecystectomy.....                       | 2                  | 0.0                 | 0.9  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.3  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# TRACY MUNICIPAL HOSPITAL

Medicare Provider Number: 240009

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.4 years  
Proportion female..... 56.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 1.2 %  
Admitted for emergency..... 19.5 %

### COMORBIDITIES:

Cancer..... 6.5 %  
Chronic cardiovascular disease..... 42.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 5.9 %  
Chronic pulmonary disease..... 14.8 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 4.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 64.0%  
State ..... 33.5%  
Outside State ..... 2.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.6 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 37  
Occupancy Rate ..... 16.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 70.0 %  
Case Mix Index (CMI) ..... 1.0754

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists..... 50.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# TRI COUNTY HOSPITAL

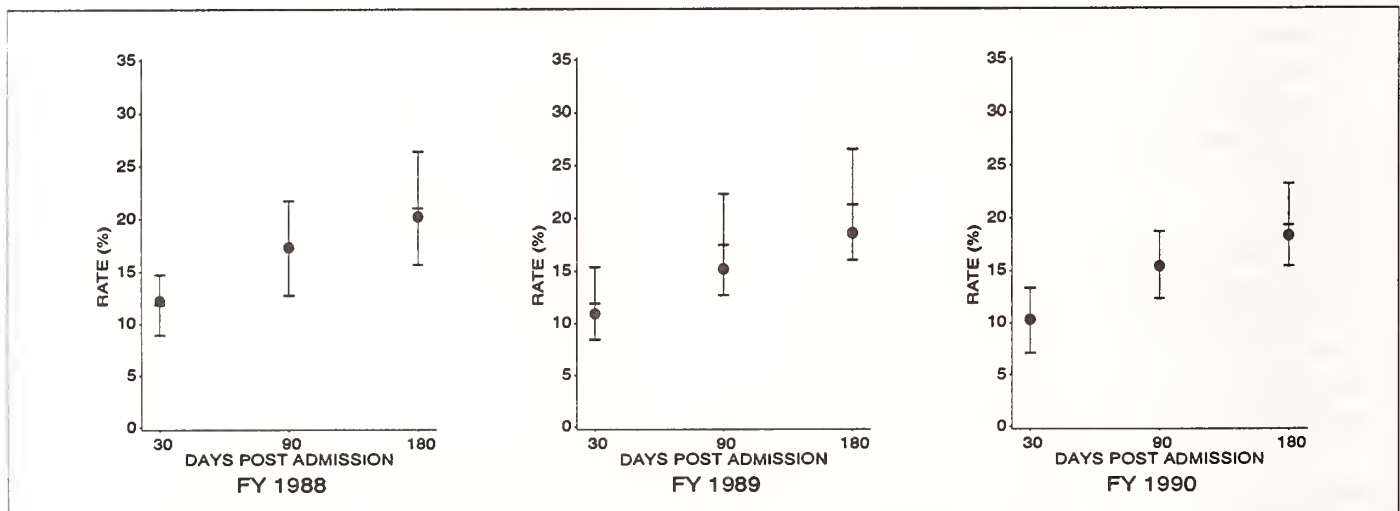
418 N JEFFERSON  
WADENA, MN 56482  
Medicare Provider Number: 240025

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 525             | 10.3                | 10.2 | 1.6   | 15.4    | 15.5 | 1.6   | 18.3     | 19.3 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 20              | 50.0                | 28.1 | ----- | 50.0    | 32.3 | ----- | 50.0     | 35.9 | ----- |
| Congestive Heart Failure.....              | 28              | 21.4                | 16.2 | ----- | 25.0    | 25.4 | ----- | 39.3     | 32.2 | ----- |
| Pneumonia/Influenza.....                   | 70              | 17.1                | 18.8 | 5.5   | 25.7    | 25.9 | 6.2   | 35.7     | 30.7 | 8.1   |
| Chronic Obstructive Pulmonary Disease..... | 9               | 0.0                 | 6.4  | ----- | 0.0     | 12.0 | ----- | 0.0      | 16.1 | ----- |
| Transient Cerebral Ischemia.....           | 14              | 7.1                 | 1.5  | ----- | 7.1     | 3.6  | ----- | 7.1      | 6.0  | ----- |
| Stroke.....                                | 25              | 16.0                | 20.7 | ----- | 20.0    | 28.4 | ----- | 20.0     | 32.4 | ----- |
| Hip Fracture.....                          | 18              | 11.1                | 8.3  | ----- | 27.8    | 16.0 | ----- | 27.8     | 21.3 | ----- |
| Sepsis.....                                | 6               | 33.3                | 25.6 | ----- | 33.3    | 33.1 | ----- | 33.3     | 38.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 2.5  | ----- | 0.0     | 4.8  | ----- | 0.0      | 7.1  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 8               | 12.5                | 7.0  | ----- | 37.5    | 13.0 | ----- | 37.5     | 17.4 | ----- |
| Open Reduction of Hip Fracture.....        | 10              | 10.0                | 8.1  | ----- | 20.0    | 16.8 | ----- | 20.0     | 23.0 | ----- |
| Prostatectomy.....                         | 11              | 0.0                 | 1.3  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.0  | ----- |
| Cholecystectomy.....                       | 23              | 0.0                 | 4.0  | ----- | 13.0    | 8.4  | ----- | 17.4     | 11.7 | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**TRI COUNTY HOSPITAL**  
Medicare Provider Number: 240025

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 78.2 years  
Proportion female..... 54.7 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 64.8 %  
Transferred from skilled nursing facility..... 1.5 %  
Admitted for elective procedure..... 0.2 %  
Admitted for emergency..... 41.5 %

**COMORBIDITIES:**

Cancer..... 7.4 %  
Chronic cardiovascular disease..... 43.0 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 15.0 %  
Cerebrovascular degeneration..... 5.0 %  
Diabetes mellitus..... 8.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 55.2%  
State ..... 44.2%  
Outside State ..... 0.6%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 7.6 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 54  
Occupancy Rate ..... 39.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 52.9 %  
Case Mix Index (CMI) ..... 1.1921

**STAFFING:**

Total Number of Physicians..... 11  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 27  
Licensed Practical Nurses ..... 20

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TRIMONT COMMUNITY HOSPITAL

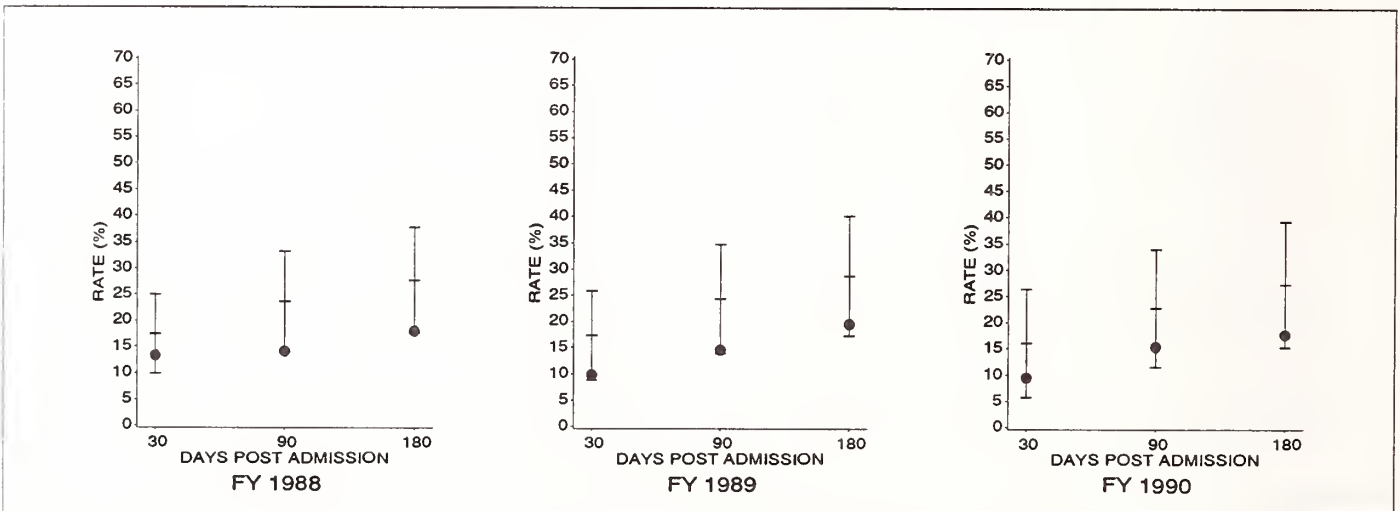
11 EAST CHESTNUT  
TRIMONT, MN 56176  
Medicare Provider Number: 240158

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 85                 | 9.4                 | 16.0 | 5.2   | 15.3    | 22.7 | 5.6   | 17.6     | 27.2 | 6.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2                  | 0.0                 | 24.3 | ----- | 0.0     | 26.9 | ----- | 0.0      | 29.1 | ----- |
| Congestive Heart Failure.....              | 5                  | 0.0                 | 13.8 | ----- | 0.0     | 21.5 | ----- | 0.0      | 28.3 | ----- |
| Pneumonia/Influenza.....                   | 19                 | 10.5                | 20.6 | ----- | 21.1    | 28.7 | ----- | 21.1     | 33.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 2.8  | ----- | 0.0     | 6.2  | ----- | 0.0      | 9.9  | ----- |
| Stroke.....                                | 3                  | 33.3                | 38.5 | ----- | 33.3    | 46.8 | ----- | 33.3     | 50.1 | ----- |
| Hip Fracture.....                          | 1                  | 0.0                 | 5.5  | ----- | 0.0     | 8.9  | ----- | 0.0      | 12.5 | ----- |
| Sepsis.....                                | 2                  | 0.0                 | 64.3 | ----- | 50.0    | 77.5 | ----- | 50.0     | 82.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# TRIMONT COMMUNITY HOSPITAL

Medicare Provider Number: 240158

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 80.1 years  
Proportion female..... 57.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 44.7 %  
Transferred from skilled nursing facility..... 24.7 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 58.8 %

### COMORBIDITIES:

Cancer..... 8.2 %  
Chronic cardiovascular disease..... 56.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 4.7 %  
Chronic pulmonary disease..... 22.4 %  
Cerebrovascular degeneration..... 7.1 %  
Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 81.7%  
State ..... 16.8%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.5 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 24  
Occupancy Rate ..... 20.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.0245

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# TWEETEN LUTHERAN HEALTH CARE CENTER

125 FIFTH AVE SOUTHEAST  
SPRING GROVE, MN 55974  
Medicare Provider Number: 240135

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 21                 | 14.3                | 10.7 | ----- | 19.0    | 17.0 | ----- | 23.8     | 21.8 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 1                  | 0.0                 | 12.9 | ----- | 100.0   | 19.9 | ----- | 100.0    | 25.7 | ----- |
| Pneumonia/Influenza.....                   | 5                  | 0.0                 | 7.4  | ----- | 0.0     | 10.9 | ----- | 20.0     | 13.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 1.5  | ----- | 0.0     | 3.2  | ----- | 0.0      | 5.1  | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# TWEETEN LUTHERAN HEALTH CARE CENTER

Medicare Provider Number: 240135

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 82.0 years  
Proportion female..... 71.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 85.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 4.8 %  
Chronic cardiovascular disease..... 19.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 9.5 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 9.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 64.3%  
State ..... 28.6%  
Outside State ..... 7.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.3 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 89  
Occupancy Rate ..... 91.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 55.4 %  
Case Mix Index (CMI) ..... 0.9048

### STAFFING:

Total Number of Physicians..... 8  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# UNITED DISTRICT HOSPITAL

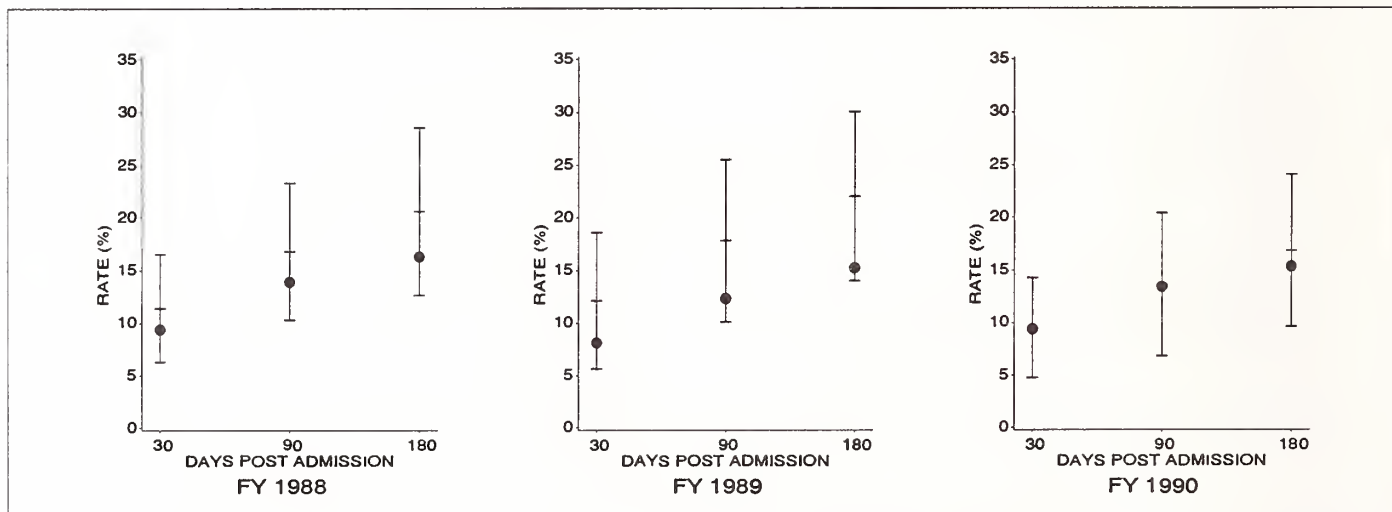
401 NORTH PRAIRIE AVENUE  
STAPLES, MN 56479  
Medicare Provider Number: 240144

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 202             | 9.4                 | 9.5  | 2.4   | 13.4    | 13.6 | 3.4   | 15.3     | 16.8 | 3.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11              | 27.3                | 38.0 | ----- | 45.5    | 41.0 | ----- | 45.5     | 44.4 | ----- |
| Congestive Heart Failure.....              | 7               | 0.0                 | 14.9 | ----- | 0.0     | 22.4 | ----- | 0.0      | 28.4 | ----- |
| Pneumonia/Influenza.....                   | 27              | 7.4                 | 13.3 | ----- | 14.8    | 18.1 | ----- | 18.5     | 22.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 6.6  | ----- | 0.0     | 10.9 | ----- | 0.0      | 14.5 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 3.1  | ----- | 0.0     | 7.0  | ----- | 0.0      | 11.5 | ----- |
| Stroke.....                                | 11              | 36.4                | 20.1 | ----- | 36.4    | 28.0 | ----- | 36.4     | 32.9 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 25.1 | ----- | 0.0     | 29.8 | ----- | 0.0      | 35.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 8               | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.3  | ----- |
| Cholecystectomy.....                       | 2               | 0.0                 | 2.5  | ----- | 0.0     | 4.1  | ----- | 0.0      | 5.3  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# UNITED DISTRICT HOSPITAL

Medicare Provider Number: 240144

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 76.3 years | Cancer.....                         | 6.9 %  |
| Proportion female.....                         | 57.4 %     | Chronic cardiovascular disease..... | 33.2 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.5 %  |
| Referred by personal or HMO physician.....     | 44.6 %     | Chronic renal disease.....          | 0.5 %  |
| Transferred from skilled nursing facility..... | 5.4 %      | Chronic pulmonary disease.....      | 8.9 %  |
| Admitted for elective procedure.....           | 1.0 %      | Cerebrovascular degeneration.....   | 4.0 %  |
| Admitted for emergency.....                    | 2.5 %      | Diabetes mellitus.....              | 11.4 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 69.3%  | Hospital .....                          | 4.0 Days |
| State .....                                  | 29.4%  | State .....                             | 6.6 Days |
| Outside State .....                          | 1.3%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                                  |                    |                                                 |     |
|----------------------------------------------------------------------------------|--------------------|-------------------------------------------------|-----|
| <b>SOURCE:</b> Health Care Financing Administration (OSCAR)** - Survey Year 1991 |                    |                                                 |     |
| <b>PROFILE:</b>                                                                  |                    | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                                 | 40                 | Burn Unit .....                                 | No  |
| Ownership/Control.....                                                           | District/Authority | Coronary Care Unit .....                        | Yes |
| Case Mix Index (CMI) .....                                                       | 0.9567             | Hospice Care .....                              | No  |
| <b>STAFFING:</b>                                                                 |                    | Intensive Care Unit .....                       | Yes |
| Medical Residents/Interns .....                                                  | 0                  | Organ Transplant .....                          | No  |
| Registered Nurses.....                                                           | 21                 | Trauma Center .....                             | No  |
| Licensed Practical Nurses .....                                                  | 12                 | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
|                                                                                  |                    | Alcohol/Drug .....                              | Yes |
|                                                                                  |                    | Rehabilitation.....                             | Yes |
|                                                                                  |                    | Psychiatric .....                               | Yes |
|                                                                                  |                    | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

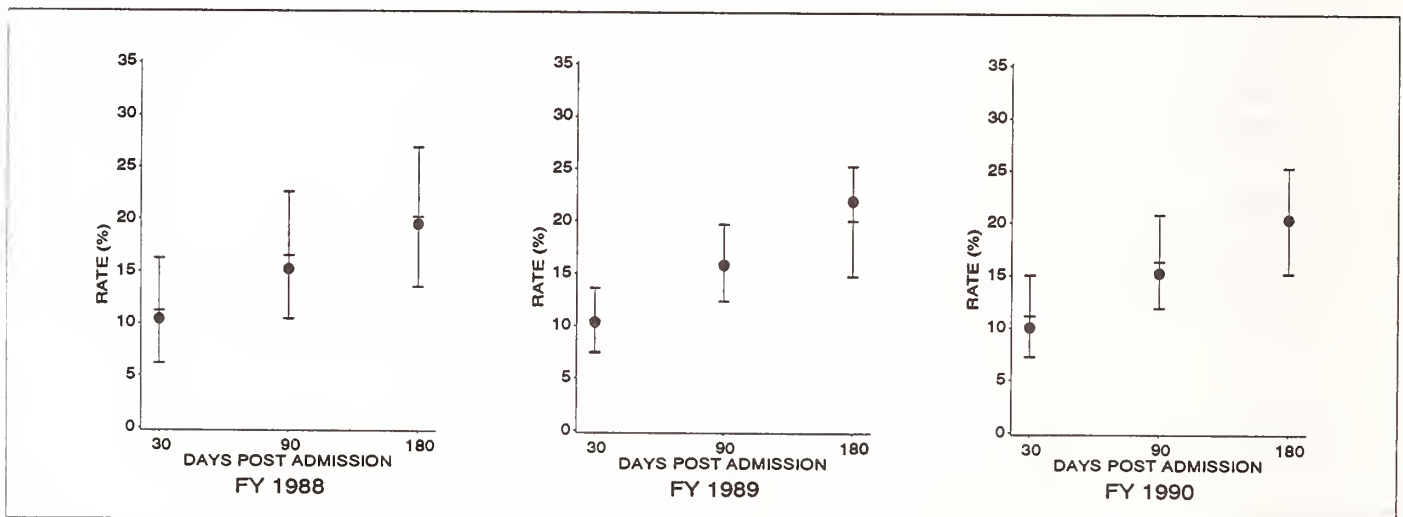
**UNITED HOSPITAL**  
 515 S MOORE ST  
 BLUE EARTH, MN 56013  
 Medicare Provider Number: 240162

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 349                | 10.0                | 11.1 | 2.0   | 15.2    | 16.3 | 2.2   | 20.3     | 20.2 | 2.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 27                 | 29.6                | 24.7 | ----- | 33.3    | 27.6 | ----- | 40.7     | 30.3 | ----- |
| Congestive Heart Failure.....              | 24                 | 8.3                 | 19.5 | ----- | 29.2    | 30.8 | ----- | 41.7     | 37.7 | ----- |
| Pneumonia/Influenza.....                   | 26                 | 7.7                 | 14.8 | ----- | 19.2    | 19.8 | ----- | 23.1     | 23.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 7.5  | ----- | 0.0     | 14.5 | ----- | 66.7     | 19.5 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.9  | ----- | 0.0     | 4.8  | ----- | 0.0      | 8.5  | ----- |
| Stroke.....                                | 11                 | 9.1                 | 20.7 | ----- | 9.1     | 25.9 | ----- | 18.2     | 29.9 | ----- |
| Hip Fracture.....                          | 6                  | 16.7                | 8.5  | ----- | 16.7    | 14.5 | ----- | 33.3     | 18.2 | ----- |
| Sepsis.....                                | 8                  | 25.0                | 28.6 | ----- | 25.0    | 37.1 | ----- | 25.0     | 42.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 4.6  | ----- | 0.0     | 8.9  | ----- | 0.0      | 13.3 | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 6                  | 16.7                | 7.4  | ----- | 16.7    | 13.0 | ----- | 33.3     | 16.7 | ----- |
| Prostatectomy.....                         | 4                  | 0.0                 | 0.9  | ----- | 0.0     | 2.3  | ----- | 0.0      | 4.0  | ----- |
| Cholecystectomy.....                       | 8                  | 0.0                 | 2.3  | ----- | 0.0     | 4.2  | ----- | 0.0      | 5.8  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.7  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**UNITED HOSPITAL**  
Medicare Provider Number: 240162

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 79.0 years  
Proportion female..... 59.9 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 8.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 39.0 %  
Admitted for emergency..... 2.6 %

**COMORBIDITIES:**

Cancer..... 8.9 %  
Chronic cardiovascular disease..... 45.6 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 16.9 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 4.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 79.2%  
State ..... 8.1%  
Outside State ..... 12.7%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.5 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 43  
Occupancy Rate ..... 37.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 53.6 %  
Case Mix Index (CMI) ..... 1.0779

**STAFFING:**

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 27  
Licensed Practical Nurses ..... 19

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# UNITED HOSPITALS INC

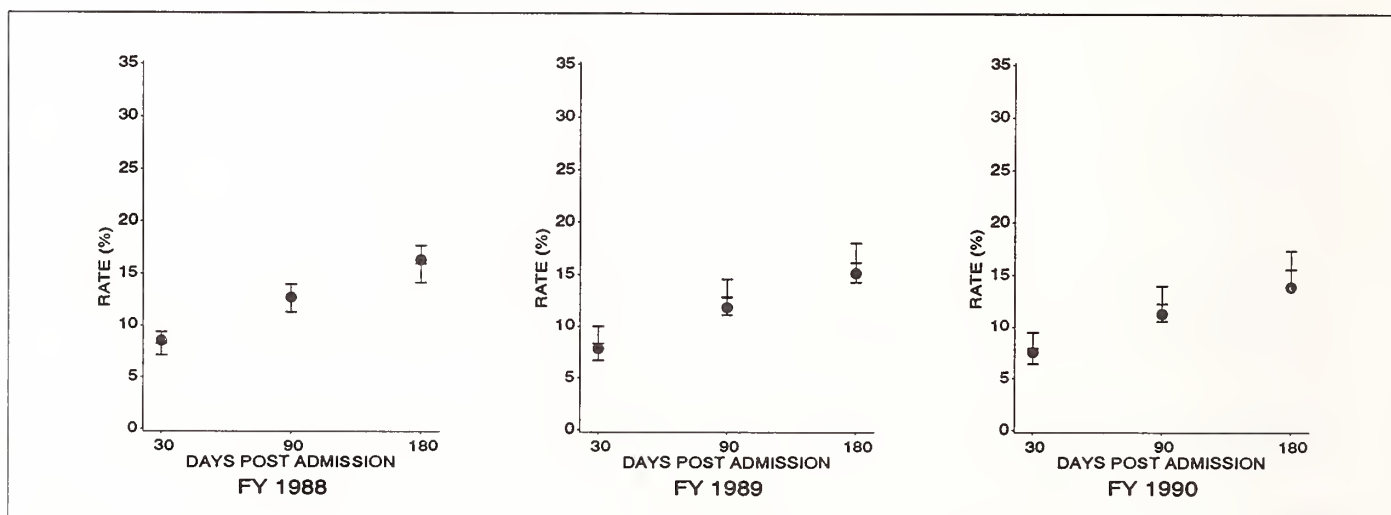
333 NORTH SMITH  
ST PAUL, MN 55102  
Medicare Provider Number: 240038

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3420            | 7.5                 | 7.9  | 0.8   | 11.2    | 12.2 | 0.9   | 13.8     | 15.5 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 96              | 17.7                | 22.7 | 7.8   | 20.8    | 25.6 | 7.5   | 22.9     | 28.3 | 7.5   |
| Congestive Heart Failure.....              | 108             | 13.9                | 14.4 | 4.3   | 23.1    | 22.6 | 4.4   | 26.9     | 28.9 | 5.3   |
| Pneumonia/Influenza.....                   | 109             | 17.4                | 16.3 | 3.7   | 20.2    | 22.1 | 4.4   | 23.9     | 26.2 | 4.7   |
| Chronic Obstructive Pulmonary Disease..... | 20              | 0.0                 | 9.5  | ----- | 5.0     | 15.6 | ----- | 10.0     | 20.6 | ----- |
| Transient Cerebral Ischemia.....           | 41              | 0.0                 | 1.7  | ----- | 0.0     | 3.8  | ----- | 0.0      | 6.2  | ----- |
| Stroke.....                                | 102             | 20.6                | 21.4 | 5.6   | 25.5    | 28.1 | 5.9   | 29.4     | 32.0 | 6.2   |
| Hip Fracture.....                          | 87              | 5.7                 | 6.9  | 4.2   | 9.2     | 11.9 | 5.6   | 9.2      | 15.3 | 6.8   |
| Sepsis.....                                | 31              | 35.5                | 23.8 | ----- | 45.2    | 31.8 | ----- | 48.4     | 36.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 54              | 3.7                 | 2.9  | 2.4   | 3.7     | 3.8  | 2.7   | 5.6      | 4.7  | 3.0   |
| Coronary Artery Bypass Graft.....          | 57              | 7.0                 | 5.5  | 3.9   | 8.8     | 8.3  | 3.7   | 10.5     | 9.5  | 4.0   |
| Initial Pacemaker Insertion.....           | 34              | 0.0                 | 3.0  | ----- | 8.8     | 5.7  | ----- | 11.8     | 8.2  | ----- |
| Carotid Endarterectomy.....                | 7               | 0.0                 | 1.9  | ----- | 0.0     | 3.7  | ----- | 0.0      | 5.4  | ----- |
| Hip Replacement/Reconstruction.....        | 70              | 4.3                 | 3.8  | 2.3   | 7.1     | 6.7  | 3.2   | 8.6      | 8.8  | 3.4   |
| Open Reduction of Hip Fracture.....        | 11              | 0.0                 | 5.1  | ----- | 0.0     | 9.6  | ----- | 0.0      | 12.5 | ----- |
| Prostatectomy.....                         | 134             | 1.5                 | 0.7  | 1.0   | 1.5     | 1.7  | 1.2   | 1.5      | 2.9  | 1.8   |
| Cholecystectomy.....                       | 52              | 1.9                 | 3.6  | 3.0   | 3.8     | 6.7  | 4.0   | 9.6      | 9.0  | 4.2   |
| Hysterectomy.....                          | 38              | 0.0                 | 0.9  | ----- | 0.0     | 1.9  | ----- | 2.6      | 2.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**UNITED HOSPITALS INC**  
Medicare Provider Number: 240038

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 74.2 years  
Proportion female..... 57.4 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 48.6 %  
Transferred from skilled nursing facility..... 0.7 %  
Admitted for elective procedure..... 31.3 %  
Admitted for emergency..... 43.1 %

**COMORBIDITIES:**

Cancer..... 7.2 %  
Chronic cardiovascular disease..... 41.0 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 3.7 %  
Chronic pulmonary disease..... 13.0 %  
Cerebrovascular degeneration..... 5.3 %  
Diabetes mellitus..... 7.5 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 66.4%  
State ..... 24.0%  
Outside State ..... 9.6%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 8.1 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1984

**PROFILE:**

Total Beds ..... 556  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.4277

**STAFFING:**

Medical Residents/Interns ..... 26  
Registered Nurses..... 434  
Licensed Practical Nurses..... 67

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# UNIVERSITY OF MINNESOTA HOSPITAL

HARVARD STREET AT EAST RIVER ROAD

MINNEAPOLIS, MN 55455

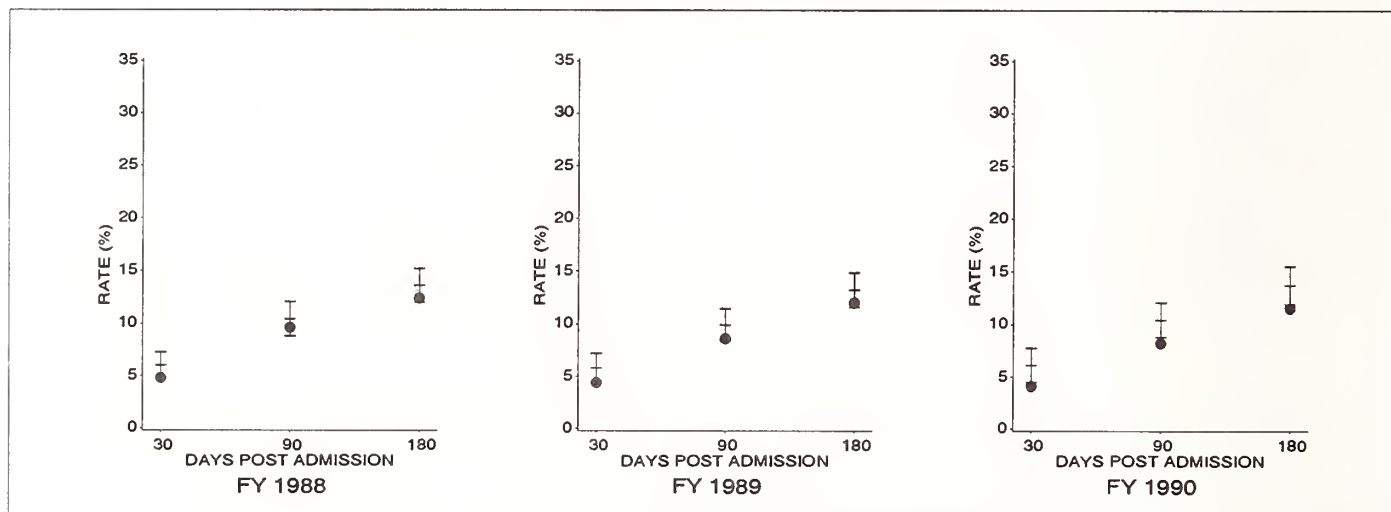
Medicare Provider Number: 240049

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2367            | 4.1                 | 6.1  | 0.8   | 8.2     | 10.4 | 0.8   | 11.5     | 13.7 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 34              | 26.5                | 34.7 | ----- | 38.2    | 37.8 | ----- | 41.2     | 40.8 | ----- |
| Congestive Heart Failure.....              | 44              | 13.6                | 13.5 | ----- | 15.9    | 22.0 | ----- | 34.1     | 28.3 | ----- |
| Pneumonia/Influenza.....                   | 16              | 6.3                 | 14.2 | ----- | 12.5    | 19.9 | ----- | 12.5     | 24.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 13.1 | ----- | 9.1     | 23.0 | ----- | 27.3     | 29.3 | ----- |
| Transient Cerebral Ischemia.....           | 13              | 0.0                 | 1.5  | ----- | 0.0     | 3.2  | ----- | 0.0      | 5.0  | ----- |
| Stroke.....                                | 25              | 28.0                | 27.9 | ----- | 36.0    | 35.0 | ----- | 36.0     | 39.2 | ----- |
| Hip Fracture.....                          | 13              | 7.7                 | 8.5  | ----- | 7.7     | 15.2 | ----- | 7.7      | 19.7 | ----- |
| Sepsis.....                                | 15              | 6.7                 | 22.3 | ----- | 20.0    | 31.9 | ----- | 20.0     | 36.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 63              | 3.2                 | 3.6  | 3.2   | 6.3     | 4.7  | 4.1   | 7.9      | 5.7  | 4.5   |
| Coronary Artery Bypass Graft.....          | 63              | 9.5                 | 7.2  | 4.1   | 12.7    | 10.9 | 5.1   | 15.9     | 12.8 | 6.3   |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 2.5  | ----- | 0.0     | 5.0  | ----- | 0.0      | 7.1  | ----- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 1.2  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.2  | ----- |
| Hip Replacement/Reconstruction.....        | 38              | 0.0                 | 1.7  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.1  | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 2.3  | ----- | 0.0     | 3.7  | ----- | 0.0      | 5.3  | ----- |
| Prostatectomy.....                         | 55              | 0.0                 | 1.1  | 2.1   | 1.8     | 2.6  | 3.1   | 5.5      | 4.5  | 3.8   |
| Cholecystectomy.....                       | 18              | 0.0                 | 5.2  | ----- | 5.6     | 10.0 | ----- | 16.7     | 14.0 | ----- |
| Hysterectomy.....                          | 23              | 4.3                 | 1.9  | ----- | 8.7     | 4.6  | ----- | 17.4     | 7.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# UNIVERSITY OF MINNESOTA HOSPITAL

Medicare Provider Number: 240049

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 64.4 years  
Proportion female..... 49.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.2 %  
Transferred from skilled nursing facility..... 2.9 %  
Admitted for elective procedure..... 64.2 %  
Admitted for emergency..... 12.5 %

### COMORBIDITIES:

Cancer..... 12.9 %  
Chronic cardiovascular disease..... 25.3 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 6.4 %  
Chronic pulmonary disease..... 6.9 %  
Cerebrovascular degeneration..... 1.6 %  
Diabetes mellitus..... 13.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 18.7%  
State ..... 55.8%  
Outside State ..... 25.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.4 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 569  
Occupancy Rate ..... 70.0 %  
Ownership/Control..... State Government  
Medicare Discharges ..... 25.7 %  
Case Mix Index (CMI) ..... 1.6036

### STAFFING:

Total Number of Physicians..... 481  
Percent of Physicians Board  
Certified Specialists..... 86.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 1142  
Licensed Practical Nurses ..... 51

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# VIRGINIA REGIONAL MEDICAL CENTER

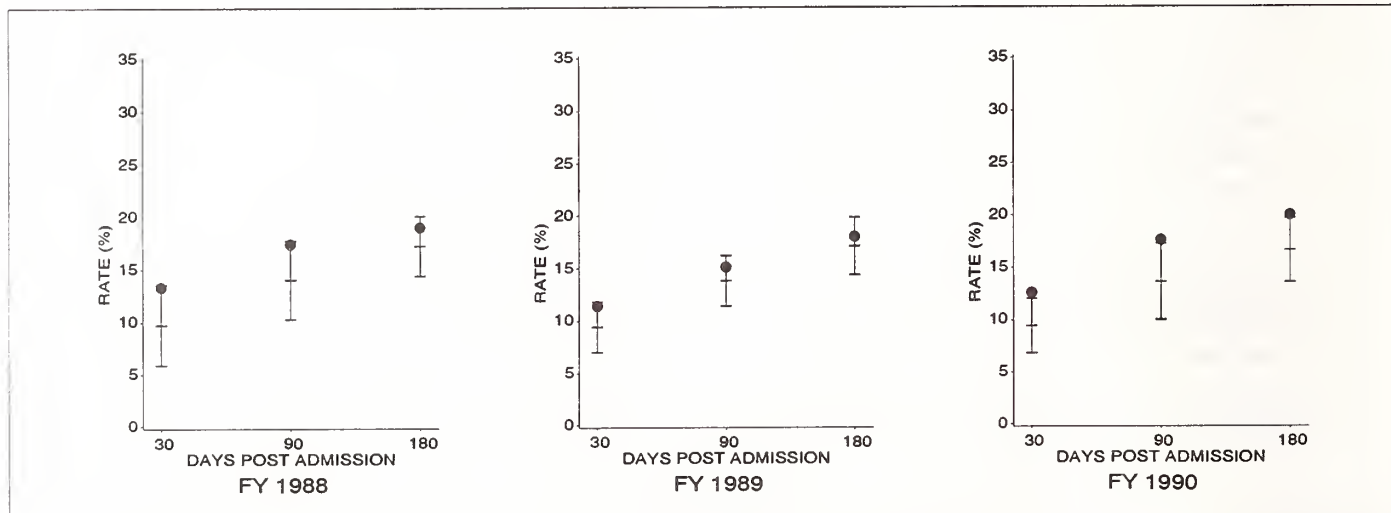
901 9TH ST N  
VIRGINIA, MN 55792  
Medicare Provider Number: 240084

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 955                | 12.6                | 9.4  | 1.3   | 17.6    | 13.6 | 1.8   | 20.0     | 16.6 | 1.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 38                 | 34.2                | 22.4 | ----- | 34.2    | 24.7 | ----- | 36.8     | 27.3 | ----- |
| Congestive Heart Failure.....              | 48                 | 12.5                | 14.9 | ----- | 20.8    | 22.5 | ----- | 25.0     | 28.6 | ----- |
| Pneumonia/Influenza.....                   | 40                 | 15.0                | 13.8 | ----- | 22.5    | 18.3 | ----- | 22.5     | 21.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 0.0                 | 7.2  | ----- | 7.7     | 12.2 | ----- | 7.7      | 16.0 | ----- |
| Transient Cerebral Ischemia.....           | 10                 | 0.0                 | 1.5  | ----- | 10.0    | 3.6  | ----- | 20.0     | 6.2  | ----- |
| Stroke.....                                | 51                 | 29.4                | 18.9 | 9.0   | 33.3    | 23.6 | 8.9   | 35.3     | 26.8 | 9.4   |
| Hip Fracture.....                          | 35                 | 8.6                 | 5.0  | ----- | 14.3    | 9.0  | ----- | 20.0     | 11.9 | ----- |
| Sepsis.....                                | 15                 | 20.0                | 33.2 | ----- | 46.7    | 40.4 | ----- | 46.7     | 45.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4                  | 25.0                | 5.8  | ----- | 25.0    | 9.8  | ----- | 25.0     | 12.5 | ----- |
| Carotid Endarterectomy.....                | 2                  | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.2  | ----- |
| Hip Replacement/Reconstruction.....        | 16                 | 0.0                 | 3.2  | ----- | 0.0     | 5.9  | ----- | 6.3      | 8.2  | ----- |
| Open Reduction of Hip Fracture.....        | 21                 | 14.3                | 4.5  | ----- | 23.8    | 8.5  | ----- | 28.6     | 11.4 | ----- |
| Prostatectomy.....                         | 64                 | 1.6                 | 0.9  | 1.7   | 1.6     | 1.9  | 2.3   | 1.6      | 3.3  | 3.4   |
| Cholecystectomy.....                       | 32                 | 3.1                 | 3.2  | ----- | 9.4     | 5.8  | ----- | 9.4      | 7.7  | ----- |
| Hysterectomy.....                          | 5                  | 0.0                 | 0.9  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# VIRGINIA REGIONAL MEDICAL CENTER

Medicare Provider Number: 240084

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 52.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 49.3 %  
Transferred from skilled nursing facility..... 1.9 %  
Admitted for elective procedure..... 16.1 %  
Admitted for emergency..... 39.2 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 28.2 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 9.2 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 5.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 96.2%  
State ..... 1.9%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.7 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 199  
Occupancy Rate ..... 75.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 26.0 %  
Case Mix Index (CMI) ..... 1.2276

### STAFFING:

Total Number of Physicians..... 38  
Percent of Physicians Board  
Certified Specialists ..... 78.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 76  
Licensed Practical Nurses..... 32

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WARREN COMMUNITY HOSPITAL

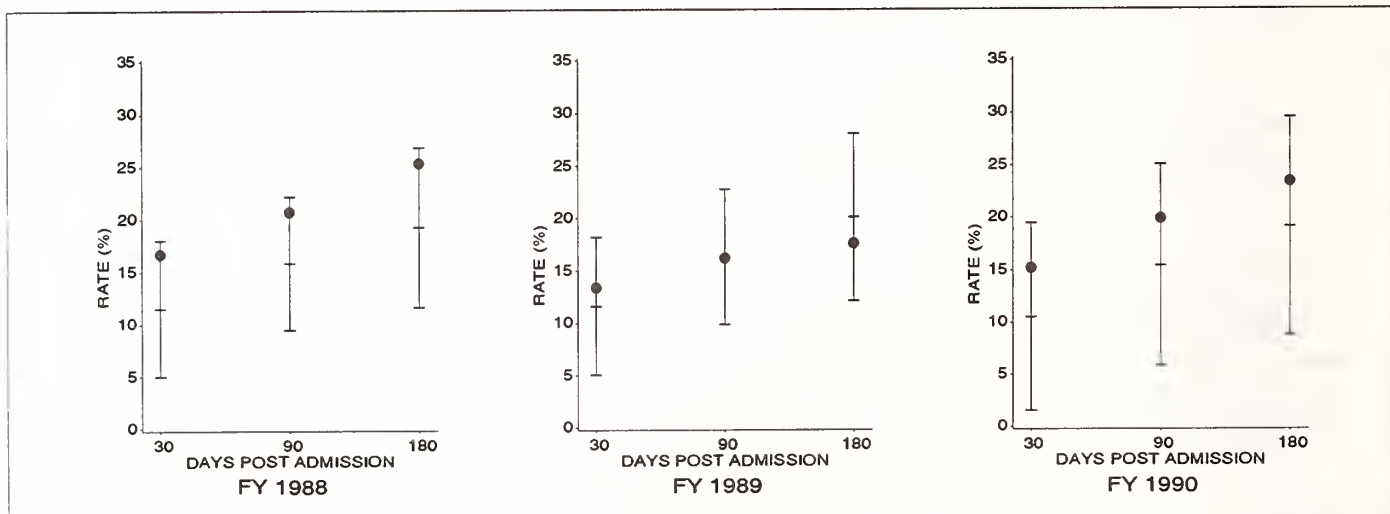
109 SOUTH MINNESOTA STREET  
WARREN, MN 56762  
Medicare Provider Number: 240085

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 171                | 15.2                | 10.5 | 4.5   | 19.9    | 15.4 | 4.8   | 23.4     | 19.1 | 5.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7                  | 28.6                | 30.8 | ----- | 28.6    | 35.4 | ----- | 28.6     | 39.4 | ----- |
| Congestive Heart Failure.....              | 5                  | 0.0                 | 11.6 | ----- | 0.0     | 18.1 | ----- | 60.0     | 23.5 | ----- |
| Pneumonia/Influenza.....                   | 16                 | 18.8                | 19.9 | ----- | 31.3    | 27.3 | ----- | 31.3     | 31.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 4.9  | ----- | 0.0     | 9.3  | ----- | 0.0      | 13.5 | ----- |
| Transient Cerebral Ischemia.....           | 13                 | 0.0                 | 2.8  | ----- | 0.0     | 6.4  | ----- | 7.7      | 10.5 | ----- |
| Stroke.....                                | 10                 | 10.0                | 23.3 | ----- | 10.0    | 28.7 | ----- | 20.0     | 32.6 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 17.4 | ----- | 0.0     | 20.3 | ----- | 0.0      | 22.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.6  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WARREN COMMUNITY HOSPITAL

Medicare Provider Number: 240085

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.9 years  
Proportion female..... 62.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.2 %  
Transferred from skilled nursing facility..... 1.2 %  
Admitted for elective procedure..... 6.4 %  
Admitted for emergency..... 32.7 %

### COMORBIDITIES:

Cancer..... 6.4 %  
Chronic cardiovascular disease..... 36.3 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 0.6 %  
Chronic pulmonary disease..... 7.6 %  
Cerebrovascular degeneration..... 2.9 %  
Diabetes mellitus..... 2.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 85.2%  
State ..... 10.2%  
Outside State ..... 4.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.2 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 41  
Occupancy Rate ..... 17.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 0.9075

### STAFFING:

Total Number of Physicians..... 6  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WASECA AREA MEMORIAL HOSPITAL

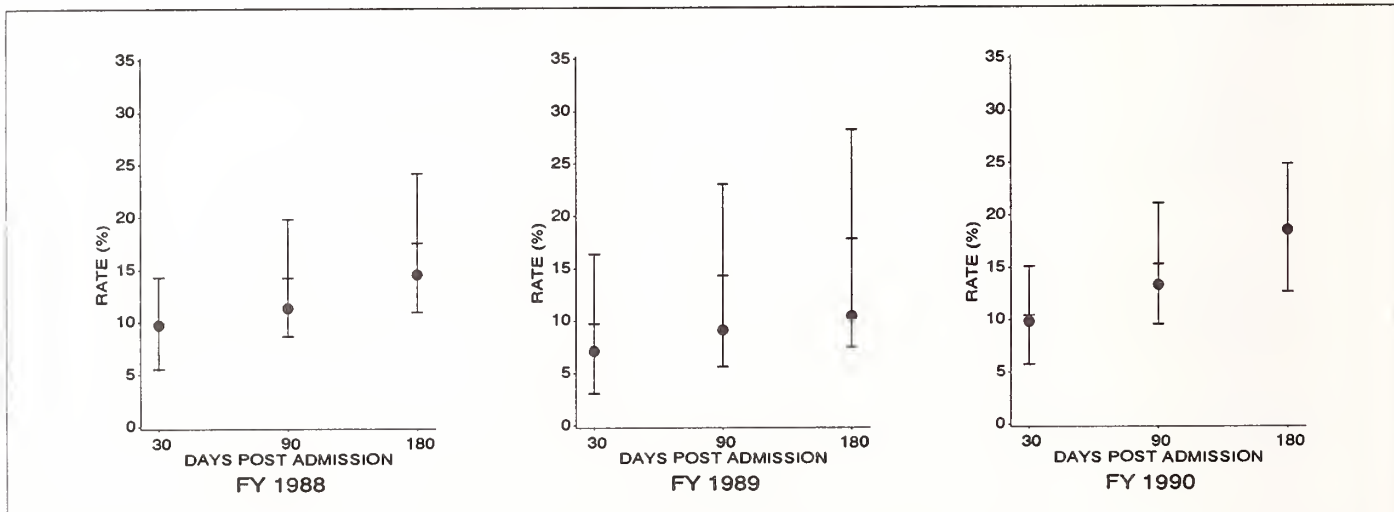
100 5TH AVE NW  
WASECA, MN 56093  
Medicare Provider Number: 240146

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 173                | 9.8                 | 10.4 | 2.3   | 13.3    | 15.3 | 2.9   | 18.5     | 18.7 | 3.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 12                 | 16.7                | 28.0 | ----- | 16.7    | 30.8 | ----- | 33.3     | 33.4 | ----- |
| Congestive Heart Failure.....              | 16                 | 18.8                | 17.0 | ----- | 25.0    | 27.5 | ----- | 25.0     | 34.0 | ----- |
| Pneumonia/Influenza.....                   | 9                  | 11.1                | 25.0 | ----- | 22.2    | 32.4 | ----- | 22.2     | 37.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 33.3                | 8.4  | ----- | 33.3    | 14.9 | ----- | 66.7     | 19.3 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.5  | ----- | 0.0     | 3.7  | ----- | 0.0      | 6.1  | ----- |
| Stroke.....                                | 12                 | 25.0                | 19.0 | ----- | 41.7    | 25.4 | ----- | 50.0     | 29.5 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 5                  | 0.0                 | 0.6  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.7  | ----- |
| Cholecystectomy.....                       | 3                  | 0.0                 | 0.7  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.6  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WASECA AREA MEMORIAL HOSPITAL

Medicare Provider Number: 240146

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.9 years  
Proportion female..... 59.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 34.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 18.5 %  
Admitted for emergency..... 61.8 %

### COMORBIDITIES:

Cancer..... 5.2 %  
Chronic cardiovascular disease..... 40.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.5 %  
Chronic pulmonary disease..... 6.9 %  
Cerebrovascular degeneration..... 5.8 %  
Diabetes mellitus..... 6.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 90.3%  
State ..... 9.3%  
Outside State ..... 0.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.9 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 19  
Occupancy Rate ..... 42.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 47.9 %  
Case Mix Index (CMI) ..... 0.9374

### STAFFING:

Total Number of Physicians..... 6  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 16  
Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WATONWAN MEMORIAL HOSPITAL

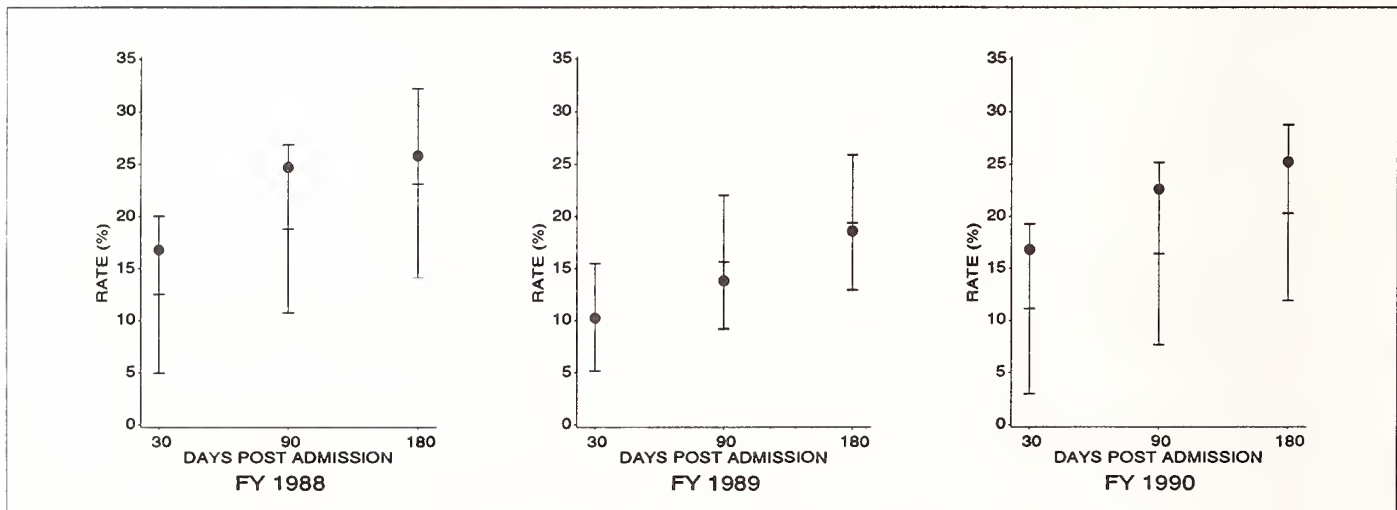
1207 6TH AVENUE SOUTH  
ST JAMES, MN 56081  
Medicare Provider Number: 240157

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 155                | 16.8                | 11.1 | 4.1   | 22.6    | 16.4 | 4.4   | 25.2     | 20.3 | 4.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7                  | 42.9                | 30.5 | ----- | 57.1    | 33.7 | ----- | 57.1     | 36.7 | ----- |
| Congestive Heart Failure.....              | 11                 | 18.2                | 16.9 | ----- | 27.3    | 27.5 | ----- | 36.4     | 34.5 | ----- |
| Pneumonia/Influenza.....                   | 9                  | 22.2                | 19.2 | ----- | 22.2    | 26.1 | ----- | 33.3     | 30.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 20.0                | 12.0 | ----- | 40.0    | 18.4 | ----- | 40.0     | 22.7 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.7  | ----- | 0.0     | 3.6  | ----- | 0.0      | 5.9  | ----- |
| Stroke.....                                | 11                 | 36.4                | 25.0 | ----- | 54.5    | 35.3 | ----- | 54.5     | 40.9 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 100.0               | 39.7 | ----- | 100.0   | 42.5 | ----- | 100.0    | 44.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 1.8  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.4  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 4                  | 0.0                 | 2.0  | ----- | 0.0     | 3.7  | ----- | 0.0      | 4.8  | ----- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.9  | ----- | 0.0     | 1.9  | ----- | 0.0      | 2.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WATONWAN MEMORIAL HOSPITAL

Medicare Provider Number: 240157

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.9 years  
Proportion female..... 61.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 86.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 4.5 %  
Admitted for emergency..... 43.9 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 41.9 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 13.5 %  
Cerebrovascular degeneration..... 2.6 %  
Diabetes mellitus..... 5.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 90.4%  
State..... 7.4%  
Outside State..... 2.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.8 Days  
State..... 6.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 31  
Occupancy Rate..... 19.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 47.9 %  
Case Mix Index (CMI)..... 1.0479

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WEINER MEMORIAL MEDICAL CENTER

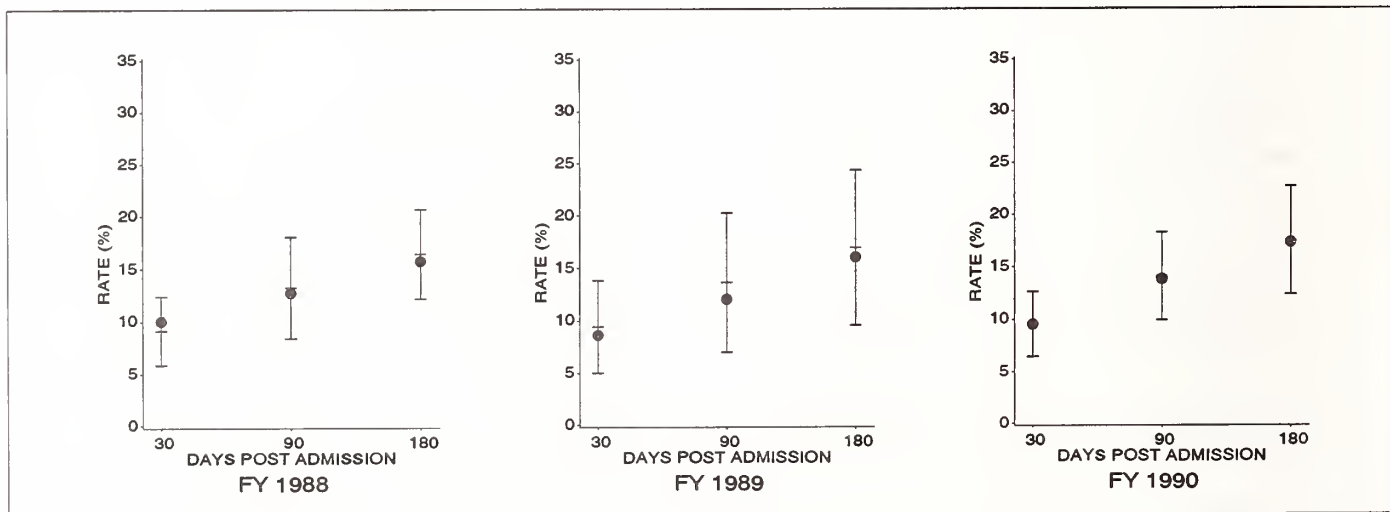
300 SOUTH BRUCE STREET  
MARSHALL, MN 56258  
Medicare Provider Number: 240007

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 369             | 9.5                 | 9.5  | 1.6   | 13.8    | 14.1 | 2.1   | 17.3     | 17.5 | 2.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 17              | 35.3                | 32.7 | ----- | 41.2    | 35.3 | ----- | 41.2     | 38.2 | ----- |
| Congestive Heart Failure.....              | 23              | 17.4                | 14.4 | ----- | 26.1    | 22.3 | ----- | 26.1     | 28.5 | ----- |
| Pneumonia/Influenza.....                   | 23              | 4.3                 | 13.6 | ----- | 8.7     | 18.7 | ----- | 21.7     | 22.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 22.2                | 7.2  | ----- | 44.4    | 12.4 | ----- | 44.4     | 16.4 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 2.7  | ----- | 0.0     | 6.6  | ----- | 0.0      | 12.0 | ----- |
| Stroke.....                                | 19              | 31.6                | 20.8 | ----- | 31.6    | 27.9 | ----- | 31.6     | 32.0 | ----- |
| Hip Fracture.....                          | 5               | 20.0                | 11.9 | ----- | 40.0    | 19.6 | ----- | 40.0     | 24.0 | ----- |
| Sepsis.....                                | 8               | 12.5                | 18.6 | ----- | 12.5    | 27.0 | ----- | 25.0     | 32.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 2               | 50.0                | 18.2 | ----- | 50.0    | 31.7 | ----- | 50.0     | 39.0 | ----- |
| Prostatectomy.....                         | 3               | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.8  | ----- |
| Cholecystectomy.....                       | 23              | 0.0                 | 2.4  | ----- | 0.0     | 4.6  | ----- | 0.0      | 6.2  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WEINER MEMORIAL MEDICAL CENTER

Medicare Provider Number: 240007

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.4 years |
| Proportion female.....        | 58.0 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 59.1 % |
| Transferred from skilled nursing facility..... | 1.9 %  |
| Admitted for elective procedure.....           | 16.3 % |
| Admitted for emergency.....                    | 43.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.6 %  |
| Chronic cardiovascular disease..... | 26.3 % |
| Chronic liver disease.....          | 1.1 %  |
| Chronic renal disease.....          | 0.8 %  |
| Chronic pulmonary disease.....      | 14.4 % |
| Cerebrovascular degeneration.....   | 3.5 %  |
| Diabetes mellitus.....              | 4.6 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 82.2%  |
| State .....         | 17.1%  |
| Outside State ..... | 0.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.7 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 100              |
| Occupancy Rate .....       | 94.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 35.6 %           |
| Case Mix Index (CMI) ..... | 1.0730           |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 20     |
| Percent of Physicians Board<br>Certified Specialists..... | 95.0 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 31     |
| Licensed Practical Nurses .....                           | 21     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

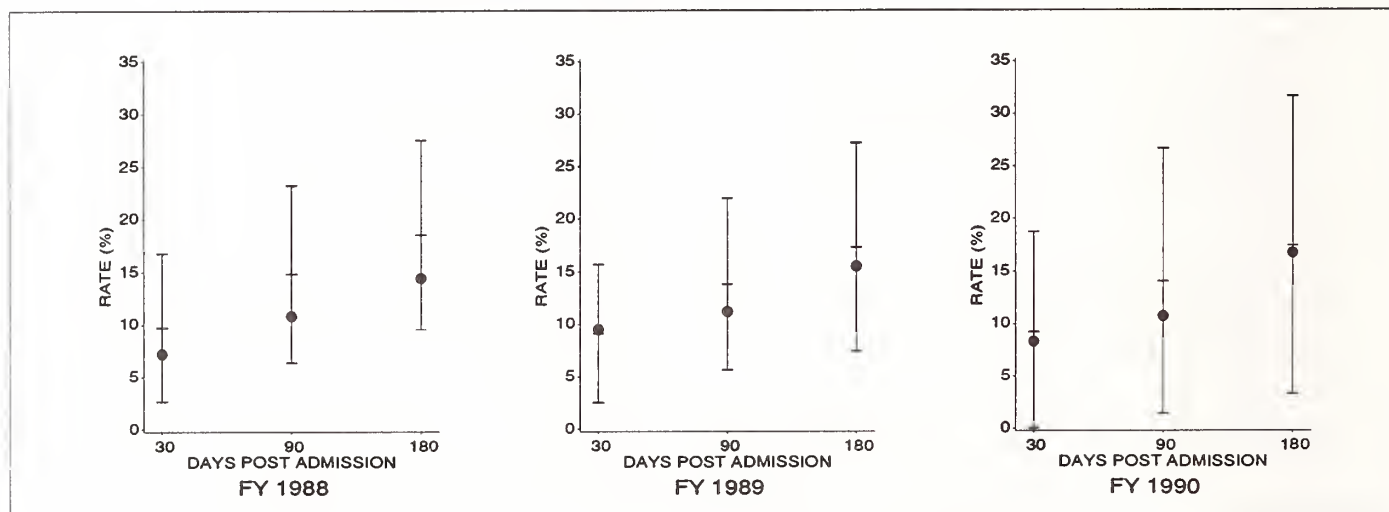
**WELLS HOSPITAL**  
 400 FOURTH AVENUE SOUTHWEST  
 WELLS, MN 56097  
 Medicare Provider Number: 240136

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 84                 | 8.3                 | 9.2  | 4.8   | 10.7    | 14.0 | 6.3   | 16.7     | 17.4 | 7.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2                  | 0.0                 | 26.8 | ----- | 50.0    | 30.6 | ----- | 50.0     | 32.7 | ----- |
| Congestive Heart Failure.....              | 8                  | 25.0                | 20.1 | ----- | 25.0    | 31.7 | ----- | 37.5     | 38.7 | ----- |
| Pneumonia/Influenza.....                   | 15                 | 6.7                 | 15.4 | ----- | 13.3    | 21.1 | ----- | 20.0     | 24.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 7.8  | ----- | 0.0     | 13.4 | ----- | 0.0      | 17.0 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 33.3                | 2.2  | ----- | 33.3    | 5.1  | ----- | 33.3     | 8.4  | ----- |
| Stroke.....                                | 4                  | 25.0                | 17.3 | ----- | 25.0    | 23.3 | ----- | 25.0     | 26.6 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1                  | 0.0                 | 2.8  | ----- | 0.0     | 5.4  | ----- | 0.0      | 7.0  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**WELLS HOSPITAL**  
Medicare Provider Number: 240136

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 78.6 years  
Proportion female..... 58.3 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 65.5 %  
Transferred from skilled nursing facility..... 1.2 %  
Admitted for elective procedure..... 1.2 %  
Admitted for emergency..... 69.0 %

**COMORBIDITIES:**

Cancer..... 3.6 %  
Chronic cardiovascular disease..... 35.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 6.0 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 4.8 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 88.3%  
State ..... 10.9%  
Outside State ..... 0.8%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 3.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 89  
Occupancy Rate ..... 71.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 56.1 %  
Case Mix Index (CMI) ..... 0.9057

**STAFFING:**

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 25.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses ..... 0

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WHEATON COMMUNITY HOSPITAL

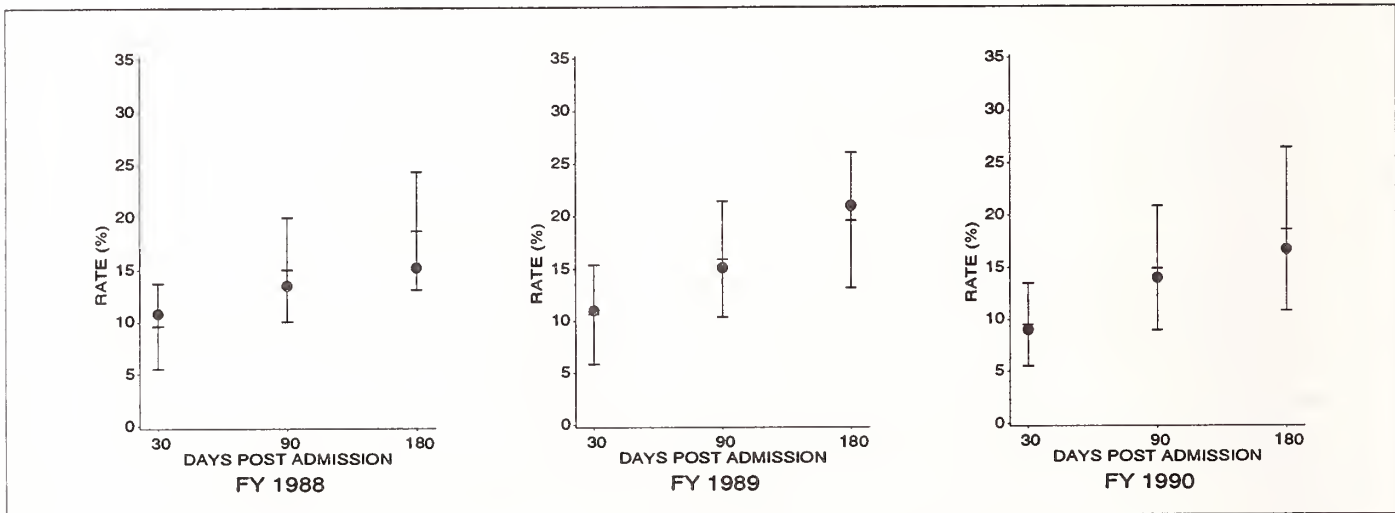
401 12TH STREET NORTH  
WHEATON, MN 56296  
Medicare Provider Number: 240112

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 222             | 9.0                 | 9.5  | 2.0  | 14.0    | 14.9 | 3.0  | 16.7     | 18.6 | 3.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 20.0                | 23.0 | ---- | 20.0    | 25.7 | ---- | 40.0     | 28.3 | ---- |
| Congestive Heart Failure.....              | 18              | 5.6                 | 17.1 | ---- | 22.2    | 27.9 | ---- | 27.8     | 35.2 | ---- |
| Pneumonia/Influenza.....                   | 25              | 16.0                | 15.5 | ---- | 20.0    | 21.3 | ---- | 20.0     | 24.9 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 66.7                | 7.2  | ---- | 66.7    | 14.0 | ---- | 66.7     | 20.6 | ---- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 0.7  | ---- | 0.0     | 1.9  | ---- | 0.0      | 3.4  | ---- |
| Stroke.....                                | 13              | 23.1                | 18.4 | ---- | 23.1    | 24.9 | ---- | 23.1     | 28.7 | ---- |
| Hip Fracture.....                          | 3               | 0.0                 | 3.6  | ---- | 0.0     | 7.2  | ---- | 0.0      | 10.5 | ---- |
| Sepsis.....                                | 1               | 0.0                 | 13.9 | ---- | 0.0     | 18.7 | ---- | 0.0      | 21.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 3.5  | ---- | 0.0     | 7.2  | ---- | 0.0      | 11.0 | ---- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 3.2  | ---- | 0.0     | 6.3  | ---- | 0.0      | 8.5  | ---- |
| Prostatectomy.....                         | 4               | 0.0                 | 1.3  | ---- | 0.0     | 3.3  | ---- | 0.0      | 5.8  | ---- |
| Cholecystectomy.....                       | 5               | 0.0                 | 2.5  | ---- | 0.0     | 4.2  | ---- | 0.0      | 5.4  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 2.6  | ---- | 0.0     | 4.8  | ---- | 0.0      | 6.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WHEATON COMMUNITY HOSPITAL

Medicare Provider Number: 240112

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.6 years

Proportion female..... 56.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 99.5 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 5.4 %

Chronic cardiovascular disease..... 31.1 %

Chronic liver disease..... 0.9 %

Chronic renal disease..... 3.6 %

Chronic pulmonary disease..... 14.9 %

Cerebrovascular degeneration..... 0.0 %

Diabetes mellitus..... 5.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 57.0%

State ..... 24.9%

Outside State ..... 18.1%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.4 Days

State ..... 6.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 35

Occupancy Rate ..... 28.0 %

Ownership/Control..... Local Government

Medicare Discharges ..... 48.9 %

Case Mix Index (CMI) ..... 1.0462

### STAFFING:

Total Number of Physicians..... 4

Percent of Physicians Board  
Certified Specialists ..... 50.0 %

Medical Residents/Interns ..... 0

Registered Nurses..... 8

Licensed Practical Nurses..... 9

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care..... No

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WHITE COMMUNITY HOSPITAL

5211 HIGHWAY 110  
AURORA, MN 55705  
Medicare Provider Number: 240005

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 39                 | 17.9                | 12.0 | ---- | 20.5    | 17.2 | ---- | 28.2     | 20.8 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 1                  | 0.0                 | 26.8 | ---- | 0.0     | 29.2 | ---- | 0.0      | 32.0 | ---- |
| Congestive Heart Failure.....              | 8                  | 25.0                | 11.1 | ---- | 25.0    | 17.8 | ---- | 50.0     | 23.7 | ---- |
| Pneumonia/Influenza.....                   | 5                  | 40.0                | 19.6 | ---- | 60.0    | 25.7 | ---- | 60.0     | 29.9 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 0.6  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.2  | ---- |
| Stroke.....                                | 4                  | 25.0                | 22.9 | ---- | 25.0    | 27.9 | ---- | 25.0     | 31.2 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.4  | ---- | 0.0     | 0.8  | ---- | 0.0      | 1.3  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# WHITE COMMUNITY HOSPITAL

Medicare Provider Number: 240005

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 73.1 years | Cancer.....                         | 7.7 %  |
| Proportion female.....                         | 61.5 %     | Chronic cardiovascular disease..... | 46.2 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.0 %  |
| Referred by personal or HMO physician.....     | 38.5 %     | Chronic renal disease.....          | 0.0 %  |
| Transferred from skilled nursing facility..... | 5.1 %      | Chronic pulmonary disease.....      | 15.4 % |
| Admitted for elective procedure.....           | 5.1 %      | Cerebrovascular degeneration.....   | 5.1 %  |
| Admitted for emergency.....                    | 56.4 %     | Diabetes mellitus.....              | 5.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 87.5%  | Hospital .....                          | 3.7 Days |
| State .....                                  | 8.9%   | State .....                             | 6.6 Days |
| Outside State .....                          | 3.6%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990 |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 85                  | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 82.0 %              | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | Private, Non-Profit | Comprehensive Geriatric .....                   | Yes |
| Medicare Discharges .....                                          | 34.3 %              | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.0221              | Medical/Surgical Intensive Care .....           | No  |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 3                   | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 100.0 %             | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                   | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 8                   | Alcohol/Drug .....                              | No  |
| Licensed Practical Nurses .....                                    | 0                   | Rehabilitation.....                             | No  |
|                                                                    |                     | Psychiatric .....                               | No  |
|                                                                    |                     | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# WINDOM AREA HOSPITAL INC

HIGHWAYS 60 & 71 NORTH, BOX 339

WINDOM, MN 56101

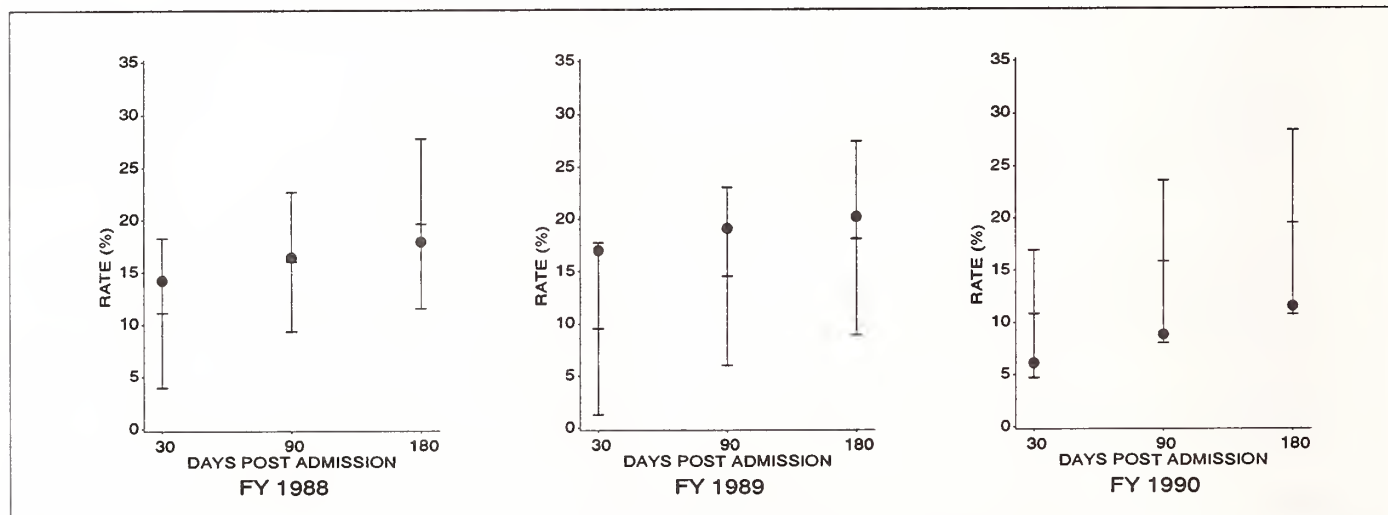
Medicare Provider Number: 240171

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 148                | 6.1                 | 10.8 | 3.1  | 8.8     | 15.8 | 3.9  | 11.5     | 19.5 | 4.4  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 10                 | 20.0                | 27.4 | ---- | 20.0    | 30.1 | ---- | 20.0     | 32.4 | ---- |
| Congestive Heart Failure.....              | 14                 | 14.3                | 14.7 | ---- | 21.4    | 22.6 | ---- | 21.4     | 28.5 | ---- |
| Pneumonia/Influenza.....                   | 12                 | 8.3                 | 17.1 | ---- | 16.7    | 22.5 | ---- | 16.7     | 27.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 4.1  | ---- | 0.0     | 8.1  | ---- | 0.0      | 10.6 | ---- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.8  | ---- | 0.0     | 4.1  | ---- | 0.0      | 7.2  | ---- |
| Stroke.....                                | 8                  | 12.5                | 21.4 | ---- | 25.0    | 29.3 | ---- | 25.0     | 34.2 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 1                  | 0.0                 | 16.2 | ---- | 0.0     | 21.8 | ---- | 100.0    | 27.7 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 2.6  | ---- | 0.0     | 5.7  | ---- | 0.0      | 9.2  | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 4                  | 0.0                 | 1.5  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.5  | ---- |
| Hysterectomy.....                          | 4                  | 0.0                 | 2.7  | ---- | 0.0     | 6.0  | ---- | 25.0     | 9.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WINDOM AREA HOSPITAL INC

Medicare Provider Number: 240171

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.8 years  
Proportion female..... 64.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 12.2 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 6.8 %  
Chronic cardiovascular disease..... 54.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.7 %  
Chronic pulmonary disease..... 8.8 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.4%  
State ..... 16.2%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.0 Days  
State ..... 6.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 35  
Occupancy Rate ..... 11.4 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 35.2 %  
Case Mix Index (CMI) ..... 1.1072

### STAFFING:

Total Number of Physicians..... 11  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 9  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WORTHINGTON REGIONAL HOSPITAL

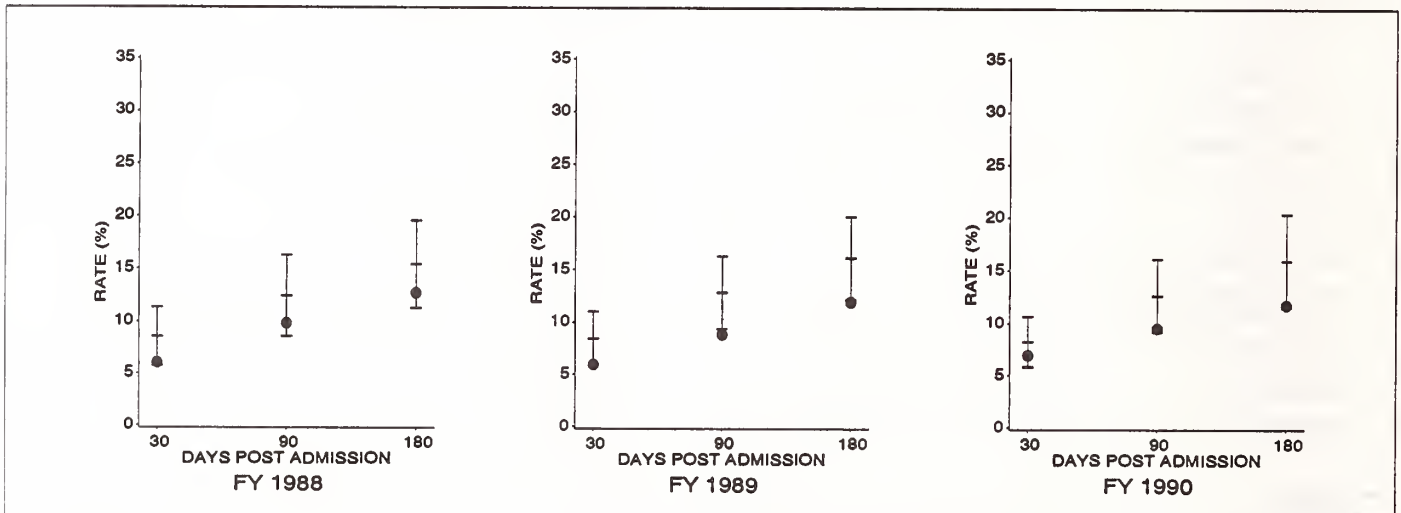
1018 6TH AVE  
WORTHINGTON, MN 56187  
Medicare Provider Number: 240022

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 639                | 6.9                 | 8.2  | 1.2   | 9.5     | 12.6 | 1.7   | 11.7     | 15.9 | 2.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 20                 | 30.0                | 24.3 | ----- | 30.0    | 28.2 | ----- | 35.0     | 31.3 | ----- |
| Congestive Heart Failure.....              | 45                 | 17.8                | 15.5 | ----- | 26.7    | 24.0 | ----- | 33.3     | 30.4 | ----- |
| Pneumonia/Influenza.....                   | 44                 | 11.4                | 13.6 | ----- | 11.4    | 18.7 | ----- | 11.4     | 22.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 9                  | 0.0                 | 8.0  | ----- | 0.0     | 14.6 | ----- | 0.0      | 20.0 | ----- |
| Transient Cerebral Ischemia.....           | 10                 | 0.0                 | 1.4  | ----- | 10.0    | 3.2  | ----- | 10.0     | 5.3  | ----- |
| Stroke.....                                | 25                 | 8.0                 | 21.4 | ----- | 12.0    | 27.1 | ----- | 16.0     | 30.8 | ----- |
| Hip Fracture.....                          | 5                  | 20.0                | 7.8  | ----- | 20.0    | 14.5 | ----- | 20.0     | 19.3 | ----- |
| Sepsis.....                                | 11                 | 9.1                 | 24.3 | ----- | 9.1     | 33.6 | ----- | 9.1      | 38.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7                  | 0.0                 | 3.8  | ----- | 0.0     | 6.9  | ----- | 14.3     | 9.8  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 1                  | 0.0                 | 4.1  | ----- | 0.0     | 7.4  | ----- | 0.0      | 10.6 | ----- |
| Prostatectomy.....                         | 51                 | 0.0                 | 0.9  | 1.6   | 0.0     | 2.1  | 2.8   | 0.0      | 3.7  | 4.3   |
| Cholecystectomy.....                       | 12                 | 0.0                 | 1.3  | ----- | 0.0     | 2.1  | ----- | 0.0      | 2.7  | ----- |
| Hysterectomy.....                          | 14                 | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WORTHINGTON REGIONAL HOSPITAL

Medicare Provider Number: 240022

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.3 years |
| Proportion female.....        | 51.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 40.7 % |
| Transferred from skilled nursing facility..... | 1.9 %  |
| Admitted for elective procedure.....           | 21.1 % |
| Admitted for emergency.....                    | 30.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.6 %  |
| Chronic cardiovascular disease..... | 31.8 % |
| Chronic liver disease.....          | 0.3 %  |
| Chronic renal disease.....          | 3.0 %  |
| Chronic pulmonary disease.....      | 12.4 % |
| Cerebrovascular degeneration.....   | 3.9 %  |
| Diabetes mellitus.....              | 8.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 58.3%  |
| State .....         | 34.8%  |
| Outside State ..... | 6.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.9 Days |
| State .....    | 6.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 99               |
| Occupancy Rate .....       | 30.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 45.6 %           |
| Case Mix Index (CMI) ..... | 1.0799           |

### STAFFING:

|                                                           |                 |
|-----------------------------------------------------------|-----------------|
| Total Number of Physicians.....                           | 18              |
| Percent of Physicians Board<br>Certified Specialists..... | 94.4 %          |
| Medical Residents/Interns .....                           | (Not Available) |
| Registered Nurses.....                                    | (Not Available) |
| Licensed Practical Nurses.....                            | (Not Available) |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ZUMBROTA HOSPITAL

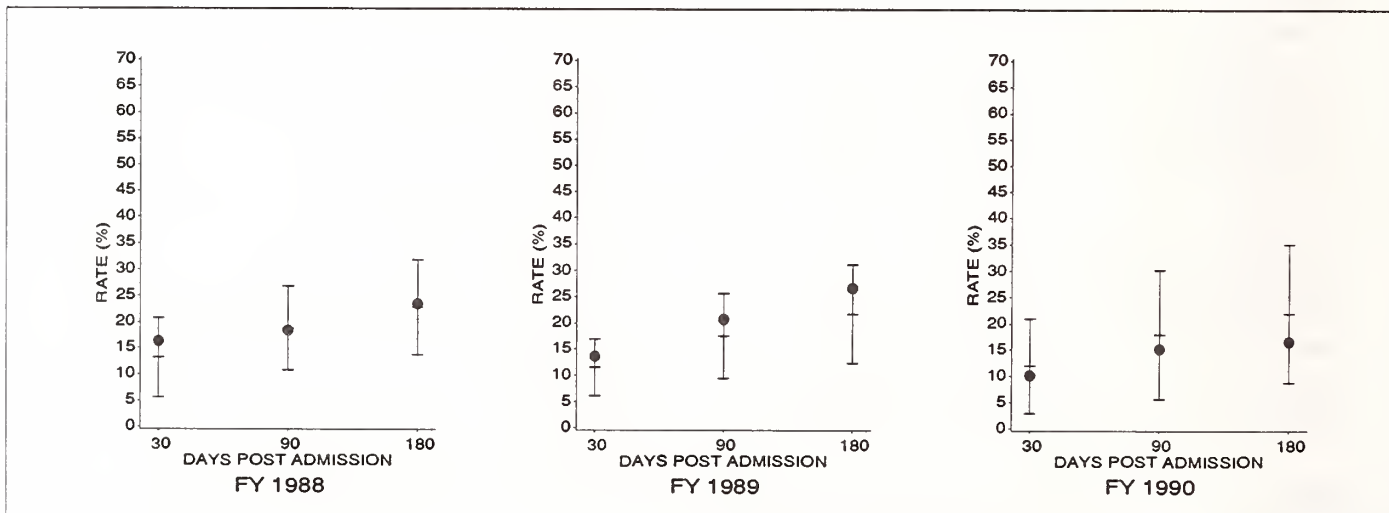
383 W 5TH STREET  
ZUMBROTA, MN 55992  
Medicare Provider Number: 240172

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 139             | 10.1                | 11.9 | 4.5   | 15.1    | 17.9 | 6.1   | 16.5     | 21.9 | 6.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3               | 0.0                 | 32.2 | ----- | 0.0     | 36.9 | ----- | 0.0      | 40.0 | ----- |
| Congestive Heart Failure.....              | 13              | 7.7                 | 15.7 | ----- | 15.4    | 24.9 | ----- | 15.4     | 30.7 | ----- |
| Pneumonia/Influenza.....                   | 11              | 9.1                 | 18.0 | ----- | 18.2    | 24.4 | ----- | 18.2     | 28.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 66.7                | 19.6 | ----- | 66.7    | 34.9 | ----- | 66.7     | 42.3 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 10              | 30.0                | 20.1 | ----- | 30.0    | 28.7 | ----- | 30.0     | 34.3 | ----- |
| Hip Fracture.....                          | 5               | 0.0                 | 5.2  | ----- | 0.0     | 10.1 | ----- | 0.0      | 13.7 | ----- |
| Sepsis.....                                | 4               | 50.0                | 29.5 | ----- | 50.0    | 37.5 | ----- | 50.0     | 43.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 6.2  | ----- | 0.0     | 12.4 | ----- | 0.0      | 16.9 | ----- |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 3.4  | ----- | 0.0     | 6.8  | ----- | 0.0      | 9.1  | ----- |
| Prostatectomy.....                         | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |
| Cholecystectomy.....                       | 2               | 0.0                 | 1.6  | ----- | 0.0     | 3.0  | ----- | 0.0      | 3.8  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ZUMBROTA HOSPITAL

Medicare Provider Number: 240172

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 78.5 years | Cancer.....                         | 10.0 % |
| Proportion female.....                         | 52.9 %     | Chronic cardiovascular disease..... | 32.9 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.7 %  |
| Referred by personal or HMO physician.....     | 45.0 %     | Chronic renal disease.....          | 2.9 %  |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 15.7 % |
| Admitted for elective procedure.....           | 0.0 %      | Cerebrovascular degeneration.....   | 7.1 %  |
| Admitted for emergency.....                    | 52.1 %     | Diabetes mellitus.....              | 5.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 89.1%  | Hospital .....                          | 4.9 Days |
| State .....                                  | 10.9%  | State .....                             | 6.6 Days |
| Outside State .....                          | 0.0%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990 |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 19                  | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 36.0 %              | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | Private, Non-Profit | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 61.6 %              | Hospice Care .....                              | Yes |
| Case Mix Index (CMI) .....                                         | 1.1642              | Medical/Surgical Intensive Care .....           | No  |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 5                   | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 100.0 %             | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                   | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 6                   | Alcohol/Drug .....                              | No  |
| Licensed Practical Nurses .....                                    | 7                   | Rehabilitation.....                             | No  |
|                                                                    |                     | Psychiatric .....                               | No  |
|                                                                    |                     | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MINNESOTA

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |     |         |      |     |          |      |     |
|--------------------------------------------|--------------------|---------------------|------|-----|---------|------|-----|----------|------|-----|
|                                            |                    | 30 DAYS             |      |     | 90 DAYS |      |     | 180 DAYS |      |     |
|                                            |                    | OBS                 | PRED | SD* | OBS     | PRED | SD* | OBS      | PRED | SD* |
| ALL CAUSES.....                            | 108,742            | 8.3                 | 8.6  | 0.1 | 12.3    | 13.2 | 0.2 | 15.4     | 16.6 | 0.2 |
| CONDITIONS:                                |                    |                     |      |     |         |      |     |          |      |     |
| Acute Myocardial Infarction.....           | 3,554              | 25.5                | 25.6 | 0.7 | 29.1    | 28.9 | 1.1 | 31.6     | 31.7 | 0.9 |
| Congestive Heart Failure.....              | 4,921              | 14.7                | 15.1 | 0.6 | 22.5    | 23.7 | 1.0 | 29.4     | 30.0 | 1.1 |
| Pneumonia/Influenza.....                   | 5,375              | 14.5                | 16.0 | 0.6 | 20.0    | 22.0 | 0.9 | 24.5     | 26.1 | 1.3 |
| Chronic Obstructive Pulmonary Disease..... | 1,254              | 8.9                 | 8.4  | 0.8 | 13.7    | 14.6 | 1.1 | 19.7     | 19.4 | 1.6 |
| Transient Cerebral Ischemia.....           | 1,368              | 1.7                 | 1.8  | 0.4 | 3.7     | 4.1  | 0.7 | 6.7      | 6.7  | 0.7 |
| Stroke.....                                | 3,829              | 20.6                | 20.4 | 0.7 | 26.5    | 26.8 | 0.8 | 29.3     | 30.7 | 0.8 |
| Hip Fracture.....                          | 2,811              | 7.4                 | 6.7  | 0.5 | 12.0    | 11.9 | 0.7 | 14.5     | 15.6 | 0.8 |
| Sepsis.....                                | 1,037              | 20.9                | 24.5 | 1.5 | 27.1    | 32.1 | 2.6 | 31.7     | 36.8 | 3.0 |
| PROCEDURES:                                |                    |                     |      |     |         |      |     |          |      |     |
| Angioplasty.....                           | 940                | 2.9                 | 3.1  | 0.7 | 3.7     | 4.0  | 1.0 | 4.5      | 5.0  | 1.1 |
| Coronary Artery Bypass Graft.....          | 1,198              | 5.8                 | 5.6  | 1.0 | 7.7     | 8.0  | 1.0 | 8.8      | 9.1  | 1.2 |
| Initial Pacemaker Insertion.....           | 706                | 4.0                 | 3.7  | 0.8 | 7.4     | 7.0  | 1.1 | 10.3     | 9.9  | 1.2 |
| Carotid Endarterectomy.....                | 249                | 1.2                 | 1.6  | 0.9 | 3.2     | 3.0  | 1.1 | 3.6      | 4.4  | 1.4 |
| Hip Replacement/Reconstruction.....        | 2,847              | 2.4                 | 2.6  | 0.4 | 4.5     | 4.8  | 0.7 | 5.7      | 6.6  | 1.0 |
| Open Reduction of Hip Fracture.....        | 1,159              | 7.6                 | 6.3  | 0.9 | 11.9    | 11.6 | 1.0 | 14.6     | 15.4 | 1.1 |
| Prostatectomy.....                         | 3,810              | 0.7                 | 1.0  | 0.2 | 1.7     | 2.4  | 0.4 | 2.6      | 4.1  | 0.8 |
| Cholecystectomy.....                       | 2,015              | 2.6                 | 2.8  | 0.6 | 4.4     | 5.3  | 0.7 | 6.2      | 7.2  | 0.9 |
| Hysterectomy.....                          | 1,138              | 0.5                 | 0.6  | 0.4 | 1.3     | 1.4  | 0.8 | 2.2      | 2.3  | 1.1 |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.9 years

Proportion female..... 54.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.7 %

Transferred from skilled nursing facility..... 3.3 %

Admitted for elective procedure..... 34.6 %

Admitted for emergency..... 28.4 %

### COMORBIDITIES:

Cancer..... 8.2 %

Chronic cardiovascular disease..... 36.5 %

Chronic liver disease..... 0.8 %

Chronic renal disease..... 3.0 %

Chronic pulmonary disease..... 12.4 %

Cerebrovascular degeneration..... 4.9 %

Diabetes mellitus..... 6.6 %

# ALL STATES

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 6,542,299          | 9.0                 | 9.0  | ---- | 13.9    | 13.7 | ---- | 17.3     | 17.1 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 204,673            | 25.3                | 25.6 | ---- | 29.5    | 28.7 | ---- | 32.1     | 31.4 | ---- |
| Congestive Heart Failure.....              | 335,426            | 14.3                | 14.4 | ---- | 22.9    | 22.8 | ---- | 29.2     | 29.0 | ---- |
| Pneumonia/Influenza.....                   | 313,303            | 15.3                | 15.5 | ---- | 21.5    | 21.3 | ---- | 25.5     | 25.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 107,387            | 8.0                 | 8.0  | ---- | 14.1    | 14.0 | ---- | 18.7     | 18.5 | ---- |
| Transient Cerebral Ischemia.....           | 96,866             | 1.8                 | 1.8  | ---- | 4.0     | 4.0  | ---- | 6.4      | 6.5  | ---- |
| Stroke.....                                | 241,803            | 19.7                | 19.8 | ---- | 26.5    | 26.3 | ---- | 30.4     | 30.0 | ---- |
| Hip Fracture.....                          | 163,386            | 6.7                 | 6.5  | ---- | 11.7    | 11.5 | ---- | 15.1     | 15.0 | ---- |
| Sepsis.....                                | 80,999             | 25.6                | 25.7 | ---- | 34.6    | 33.8 | ---- | 39.8     | 38.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 58,026             | 3.0                 | 3.0  | ---- | 4.0     | 4.0  | ---- | 5.0      | 4.9  | ---- |
| Coronary Artery Bypass Graft.....          | 80,798             | 6.0                 | 5.7  | ---- | 8.3     | 8.1  | ---- | 9.5      | 9.2  | ---- |
| Initial Pacemaker Insertion.....           | 49,642             | 3.2                 | 3.3  | ---- | 6.5     | 6.3  | ---- | 9.1      | 9.1  | ---- |
| Carotid Endarterectomy.....                | 29,990             | 1.6                 | 1.5  | ---- | 2.8     | 2.8  | ---- | 4.0      | 4.1  | ---- |
| Hip Replacement/Reconstruction.....        | 122,156            | 3.4                 | 3.2  | ---- | 6.2     | 5.9  | ---- | 8.1      | 8.0  | ---- |
| Open Reduction of Hip Fracture.....        | 80,075             | 6.1                 | 6.0  | ---- | 11.2    | 11.0 | ---- | 14.5     | 14.5 | ---- |
| Prostatectomy.....                         | 211,087            | 0.9                 | 1.0  | ---- | 2.2     | 2.3  | ---- | 3.7      | 3.8  | ---- |
| Cholecystectomy.....                       | 124,259            | 2.9                 | 2.7  | ---- | 5.0     | 4.9  | ---- | 6.5      | 6.5  | ---- |
| Hysterectomy.....                          | 53,905             | 0.7                 | 0.7  | ---- | 1.4     | 1.5  | ---- | 2.2      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| DEMOGRAPHICS:                                  |            | COMORBIDITIES:                      |        |
| Average age at admission.....                  | 74.1 years | Cancer.....                         | 7.6 %  |
| Proportion female.....                         | 55.9 %     | Chronic cardiovascular disease..... | 36.6 % |
| ADMISSION SOURCES/TYPES:                       |            | Chronic liver disease.....          | 1.0 %  |
| Referred by personal or HMO physician.....     | 46.1 %     | Chronic renal disease.....          | 3.4 %  |
| Transferred from skilled nursing facility..... | 1.1 %      | Chronic pulmonary disease.....      | 15.0 % |
| Admitted for elective procedure.....           | 22.0 %     | Cerebrovascular degeneration.....   | 3.9 %  |
| Admitted for emergency.....                    | 46.5 %     | Diabetes mellitus.....              | 8.0 %  |



# **Hospital Comments**

**Fairview  
Southdale Hospital**

*A Division of Fairview*

6401 France Avenue South  
Edina, MN 55435-2199  
612-924-5000  
FAX 612-924-5012

**Mark M. Enger**  
Vice President and  
Administrator

Medicare Provider No: 240078

March 12, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Attention: Robert Moore

Dear Doctor Wilensky:

Fairview Southdale Hospital is again pleased to respond to your release of 1990 Medicare Hospital Mortality Data that was received on March 3, 1992. This data format is similar to the 1989 data release. The additional information provided in this year's format includes a graphic summary of mortality rates for all causes from the years 1988 through 1990. In addition, a second page is included which contains values for selected explanatory factors used to predict mortality rates, as well as length of stay data for Medicare admissions. A further addition is the case mix index. I find all these additions fairly helpful.

Your present form of data release again requires the average lay person to understand statistical methods that would include an understanding of variations from the mean of less than two standard deviations. If your intention for this data release is for the information to be valuable to individual consumers, I doubt that the average lay person would understand it.

In reviewing the mortality data for Fairview Southdale Hospital, I am pleased to find that our data for all causes continues to be at or under the predicted level. The 1990 level at thirty days is almost one standard deviation under the predicted level. Mortality data for the eight listed conditions are at or near the predicted levels in all but one case, and that is chronic obstructive pulmonary disease where the number of cases is too small for statistical analysis. Mortality data for the nine listed procedures is also quite satisfactory except for one category, initial pacemaker insertion where, again, the numbers are too small for accurate statistical analysis. We do plan to check those thirty-six charts, as that category has not come up previously in any of our peer review processes.



Page 2

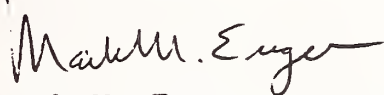
I am pleased to see that our average length of stay remains lower than Minnesota state and national averages despite the average age of our admissions to be 76 years. I am also quite interested in the high case mix index of 1.35. This indicates to me that we are taking care of very elderly people with very serious illnesses and discharging them from the hospital in good time with an average or below mortality rate, all of which speaks well for the quality of care provided in this institution.

General comments regarding your data presentation are similar to those we have listed in the past:

- (1) Comparison across institutions is not possible as information is not truly severity indexed.
- (2) Mortality rates as listed are not measures of hospital performance and should not be used for judging quality of care in any institution. Quality judgments should be made on the basis of peer review of the individual patient's medical record or on the basis of compliance with agreed upon standards of care.

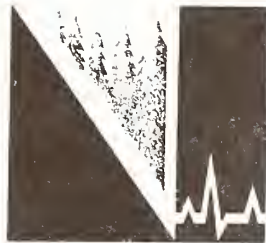
Based on our five-year experience with this information, we continue to find it minimally useful, although your inclusion of the data on the second page does increase the significance of the data presentation. We appreciate the opportunity to respond prior to public release of this data.

Sincerely,



Mark M. Enger  
Vice President and Administrator  
Fairview Southdale Hospital

MME:PB/bb



# NORTH COUNTRY REGIONAL HOSPITAL

North Country Health Services  
President: Mark D. Richardson

1100 West 38th Street  
Bemidji, MN 56601  
Phone: 218-751-5430  
Fax: 218-759-5880

Caring With Pride  
Serving With Excellence

March 17, 1992

Hospital ID: 240100

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-518  
Attn: Robert Moore

Dear Ms. Wilensky,

Our facility has studied the release of mortality statistics for the year 1990, and we have several comments which we would like to have included with the release of the information in the Federal Registry.

We would like attention drawn to the fact that our actual mortality for the categories of acute myocardial infarction, pneumonia and influenza, chronic obstructive pulmonary disease, transient cerebral ischemia, hip fracture, and sepsis are well below the predicted rates. Mortality from all causes falls well below the predicted rates for 30, 90, and 180 days after admission. This is certainly a positive reflection upon our institution, especially when one considers the demographics of our location, where there is an above average number of elderly over the age of 85 and where we are a referral center for a population that is known to have high health risks.

It is stated in the HCFA release that, "The annual release of Medicare hospital information is a key element in the efforts of the Health Care Financing Administration (HCFA) to improve the effectiveness of medical practice and quality of care....and such information is also an important step in helping beneficiaries make more informed health care decisions." We argue that statistical information such as this is often misleading and at times invalid because of an inadequate statistical base.

The methodology which attributes mortality which occurs up to 180 days after admission to the hospital is certainly suspect, especially when one considers that our average length of stay is recorded in the same report as being 5.9 days for our Medicare patients.

We would like to make some clarifications regarding the display of patients in the stroke data for our facility. The observed rate appears high as compared to the predicted rate for 30 days after admission and then levels out for 180 days after admission. Our review of the stroke patients revealed that half of the deaths occurred after discharge from the hospital. One case had an inaccurate date of death; further review may reveal that there are more



Hospital ID: 240100

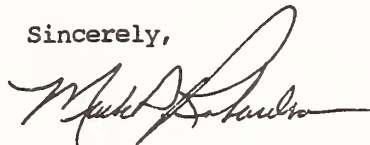
inaccuracies. The average age of the stroke patients who expired was 84, and the majority of these patients had documented massive cerebral hemorrhage, or large infarcts. These patients were obtunded, requiring feeding tubes and total care. After discussion with most of the families, decisions were made to not prolong life by extraordinary measures. Should the hospital be charged with inappropriate care when a family and/or patient makes the decision not to prolong the life of a very elderly, severely affected patient?

To further illustrate our difficulties with these statistics, we refer to the death rate for patients with transient cerebral ischemia (TIA). This disease process includes the same body systems and precursors as does strokes with the outcome being less serious and life threatening than strokes. Our mortality rate was zero for TIA's. If these conditions were combined, the overall mortality rate may be more significant.

Also of interest was a review of the "Initial Pacemaker Insertion" category. The release shows us as having 4 patients in this category with one patient expiring after 90 days. Any significant trending from this minute data base would certainly be inappropriate. This category also points out other problems with the basic methodology. In actuality there were 18 initial pacemakers inserted into Medicare patients in our facility in 1990 rather than the 4 listed. When a patient has multiple admissions, only one of these is randomly selected to be included in this HCFA data. In this case, patient's who had pacemakers inserted during an admission that was not selected using this process were not included. Likewise, patients who had pacemakers inserted in 1990, but whose accounts were not billed until 1991 were not included. Thus our mortality statistics should be based on 18 patients rather than 4.

In summary, we feel this sort of statistical analysis has value to identify potential areas for further evaluation and for quality improvement activities, but because of the model's inflexibility should not be used directly as a measure of hospital performance.

Sincerely,



Mark Richardson,  
President



North  
Memorial  
Medical  
Center®

3300 North Oakdale  
Robbinsdale, Minnesota 554  
612/520-5200

**MEDICARE PROVIDER ID 240001**

**MEDICARE MORTALITY AT NORTH MEMORIAL MEDICAL CENTER  
MARCH, 1992**

North Memorial Medical Center has reviewed the fiscal year 1990 Medicare Mortality data provided by HCFA. We note that North Memorial's observed mortality rate is within predicted ranges (+/- 2 SD) for Medicare patient admissions for all causes at 30, 90, and 180 days post-admission. When comparing condition and procedure categories that contain adequate numbers of cases for statistical analysis, no significant variations from national mean rates occurred.

In addition, HCFA provided explanatory information used to predict mortality rates. Until such time that comparative values are available, these factors are of little benefit in further evaluation of mortality rates. North Memorial Medical Center is currently reviewing the admission source/types to determine if that data was accurately reported.

Review of comparative data, such as this, is of interest. This Medicare data, while interesting, does have limitations, such as failure to determine the cause of death following discharge. Such deaths may not be related to care provided at the Medical Center.

North Memorial supports HCFA's continued efforts to refine and improve their reporting format. Our organization supports efforts that promote quality care as well as the public's understanding of this information.

Thank you for the opportunity to review and comment on this data.

  
\_\_\_\_\_  
Scott R. Anderson  
President, CEO

Provider #: 24-0017



# Northwest Medical Center

120 LaBree Avenue South  
Thief River Falls, MN 56701-0531  
Phone: (218) 681-4240  
FAX: (218) 681-5614

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207-5187  
Attn: Robert Moore

RE: Hospital Mortality Rates  
Provider Number: 24-0017

Dear Dr. Wilensky:

I am responding on behalf of Northwest Medical Center with comments relative to the impending release of hospital-specific mortality data, as proposed in your February 28, 1992, letter.

We are pleased to have the opportunity in which to preview the statistics and mortality data prior to their public release, and to be able to provide comments which may be incorporated with this public release.

According to the data we have received from your offices, the mortality rates for "All Causes" are within two standard deviations of the predicted mortality rates at 30 days, 90 days, and 180 days in all three years reported (FY 1988, FY 1989, and FY 1990). The number of cases in the eight "Conditions" and the five applicable "Procedures" were too small to develop meaningful comparisons between the predicted and actual mortality rates, according to your methodology (i.e., no standard deviations were calculated).

We can continue to have a concern over the potential use of this data, and thus its public distribution. As you know, the HCFA data base includes deaths which occur within 30, 90 and 180 days after an admission to our facility, even if the death occurred after discharge from our facility, and even if the death is totally unrelated to the "cause" implied by the diagnostic category. We feel that the mortality statistics are neither an inadequate nor sufficient measure of comparable quality of care being delivered. We feel that this data is not an appropriate base from which to compare the quality of care being delivered between various hospitals.

Gail R. Wilensky, Ph.D.

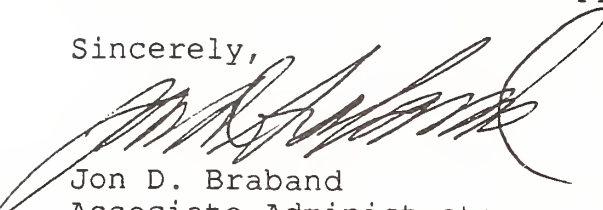
- 2 -

March 18, 1992

As a technical comment, HCFA is misreporting the "Hospital Characteristics" portion as it relates to Northwest Medical Center. The data from the AHA Annual Survey of Hospitals indicates that we have 100 acute care beds and 90 nursing home beds, rather than total beds of 190 as reported by HCFA. The occupancy rate of our hospital during this period (again, as reported by the AHA Annual Survey of Hospitals) is 27%, not 61% as indicated in your release. Also, we do not have Medicare swing beds as indicated in your release. We do have an attached long term care nursing home unit with 90 beds.

Again, we appreciate the opportunity to review this data in advance of this publication and the opportunity to provide these comments.

Sincerely,



Jon D. Braband  
Associate Administrator

JDB:bw



March 13, 1992

PROVIDER NO. 240080

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

ATTN: Robert Moore

Dear Ms. Wilsenky:

We have received Riverside Medical Center's 1990 Medicare mortality data. We have taken this data seriously even though we have reservations about the relevance of mortality data to quality. We appreciate the opportunity to respond.

Riverside Medical Center is a quality health care provider. We believe we were misrepresented in the H.C.F.A. data because it gives an inaccurate picture of our patients.

The H.C.F.A. mortality data looks at the types of Medicare patients served by a hospital, and based upon a number of factors (including type of illness, chronic conditions, age), calculates an expected (predicted) mortality rate for each hospital. H.C.F.A. then compares that expected rate with the hospital's actual mortality rate. The purpose is to determine if the actual rate is significantly different from the rate that would be expected, based on the hospital's patients.

We were concerned to find that our actual (observed) mortality rate was at the upper range of our expected (predicted) rate. We have reason to believe that our expected (predicted) rate is lower than it should be. Upon further investigation of the data we discovered two main factors that account for this difference:

- We under-reported the number of patients in a category that is associated with high mortality.
- We over-reported the number of patients in a category that is associated with low mortality.

These two factors resulted in an understatement of our expected (predicted) mortality rate.

We purchased the electronic tape from H.C.F.A. so we could more fully analyze our

Ms. Gail Wilensky  
March 13, 1992  
Page 2 of 2

PROVIDER NO. 240080

1989 data. We learned of several factors, which aren't evident in the report each hospital receives, that are used to compute predicted mortality rates. Consequently, we discovered coding practices which give an inaccurate picture of our 1) admission source and 2) admission type. With your inclusion of these factors with this year's release, it would appear that you also acknowledge their importance to your statistical model.

I will outline our principle findings:

### 1. ADMISSION SOURCE

Transfer to a hospital from a skilled nursing home bed has been shown to be associated with high mortality. According to an article published in the April 10, 1991 issue of JAMA, "Data from the National Center for Health Statistics indicate that mortality among nursing home residents transferred to another facility is 20%, while the inpatient mortality rate for all Medicare hospitalizations is 6.5%..."

We are a large health care provider which cares for many patients -- not only from our attached skilled nursing facility, but also from skilled nursing facilities throughout the Twin Cities. Thus we were astonished to discover that in 1989 we had classified only 2 of 2,557 patients (0.08%) as transferred from a skilled bed. The 1990 data reflects the same misleading results; 6 of 3,039 (0.2%) patients were classified as transfers from a skilled bed. Preliminary analysis of our admission data shows our actual skilled bed transfer rate to be much higher than the 0.2% reported. The 1990 Minnesota average is 3.3%.

### 2. ADMISSION TYPE

Of the three relevant admission categories (elective, urgent and emergent) only admission of patients for "elective" procedures is associated with lower mortality. The number of patients we report in the "elective" procedure category is overstated. We coded all "urgent" and "elective" patients as "elective."

We find H.C.F.A. UB-82 coding guidelines to be ambiguous. We are distressed that Riverside Medical Center has been inaccurately portrayed as a result of this data. We assume responsibility for our classification practices, and are taking aggressive measures to revise our practices. The results should be evident by Fiscal Year 1992, which is published in 1994. We are confident that these actions will give a more accurate depiction of Riverside Medical Center, and the patients we serve.

Sincerely,



Richard H. Peterson  
President and  
Chief Executive Officer

Hospital ID: 240075

March 12, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207-5187

Dear Doctor Wilensky:

We have again appreciated the opportunity to comment and review on the latest H.C.F.A. Mortality Review Report prior to publication.

Although your calculations show that patients hospitalized at our institution have a lower than expected mortality in general, we still have concerns about the meaningfulness of calculating mortality rates that extend out as long as six months following hospitalization. We do not find the analysis of mortality extending out that long to be valuable for in-house use. Our own peer review information would indicate that numbers relating to in-house mortality and possibly up to 30 days following admission are more useful in determining quality of care. Also, the H.C.F.A. data in general is difficult to interpret without severity indexing being available for the individual categories and this is indeed important as a large number of our patients are elderly with multiple co-morbidities.

Our own analysis of the approximately 100 patients that either died in our Hospital or within 30 days of admission in 1990 shows that the average age of these patients is elderly at approximately age 80 and most of these patients have multiple additional medical problems. Other factors that alter the basic make-up of our patient population include:

1. Our status as a regional referral center whereby we receive many more acute patients than a hospital our size would otherwise receive in a rural area (your analysis indicates that 66% of our patients in your study were admitted for emergencies).
2. An active Hospice program with local based, full-time oncology services.

Gail R. Wilensky, Ph.D., Administrator  
March 12, 1992  
Page 2

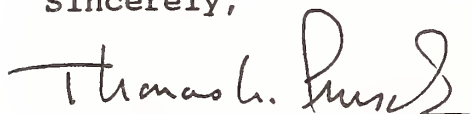
Hospital ID: 240075

3. Demographically proven higher proportion of elderly patients and a higher than average incidence of cardiovascular diseases.

In summary, although our current in-house peer review activities have correlation with your current study, indicating that the quality of care here is good, we have concerns that we may not be able to always utilize your numbers for direct correlation in the future if some means of quantifying the degree of illness of the patient at the time of admission is not incorporated. We also remain unsure of the usefulness of data relating to mortality more than 30 days following admission.

Again, we thank you for the opportunity of being able to review and comment on this information prior to publication.

Sincerely,

A handwritten signature in dark ink, appearing to read "Thomas L. Prusak", with a stylized flourish at the end.

Thomas Prusak  
President

TP:tad

# St. Luke's

## HOSPITAL OF DULUTH

915 East First Street  
Duluth, MN 55805  
218/726-5555

March 17, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207  
ATTN: Robert Moore

Provider #24-00-47

Dear Mr. Moore,


We have reviewed the mortality data for Medicare patients treated at St. Luke's Hospital during 1988, 1989 and 1990 and are pleased with the favorable results. Although we feel that your data, by itself, cannot be used by consumers to make healthcare quality judgements, your data, together with the very positive review we received from JCAHO and other internal quality assurance mechanisms indicate a high quality of health care delivery at St. Luke's.

We are especially pleased that the methodology for calculating predicted mortality rates has improved. However, it still does not precisely account for severity of patients' illnesses. Factors such as St. Luke's role as the Level II Regional Trauma Center and provider of inpatient hospice services must be taken into account.

St. Luke's has implemented Medisgroups, a state-of-the-art severity and patient outcome measurement system. Medisgroups features a national comparative database that includes severity-adjusted mortality data. We have compared St. Luke's mortality rates with the Medisgroup's national mortality rates and found that our mortality rates compare favorably with the national rates for each category of condition and procedure.

Thank you for providing us with this information and for allowing us the opportunity to review it.

Sincerely,



Phillip A. Alioto  
President/CEO

*Healthcare Quality & Service*



407 East Third Street  
Duluth, Minnesota 55805  
(218) 726-4486  
(TDD/TTY) 726-4333

Office of the President

March 16, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Attention: Robert Moore  
Medicare Provider Number: 240002

Dear Dr. Wilensky and Mr. Moore:

The following commentary relates to the 1990 Hospital Mortality Data Release for this facility. Data verification has been completed on a sampling of this information with no discrepancies noted.

The following corrections should be made to our Hospital Characteristics for 1990:

STAFFING:

Registered Nurses\* 568 (full time and part time)

Licensed Practical Nurses\* 219 (full time and part time)

SPECIALTY SERVICES:

Other Intensive Care\*\* Yes (Pediatric and Neonatal ICU's)

OTHER SPECIALTY/HOSPITAL BASED SERVICES:

Rehabilitation\*\*\* Yes (primarily outpatient)

\* Note response to questions G.1.c. on the 1990 AHA Hospital Survey.

\*\* Note response to questions D.7 and D. 9 on the 1990 AHA Hospital Survey.

\*\*\* Note response to question C.5.e. on the 1990 AHA Hospital Survey.

We have attempted to work through Sandra K. Kappert, Director of the Division of Program Coordination and Information for the Health Standards Quality Bureau, to have our hospital characteristics corrected. As stated in my letter to Ms. Kappert of July 31, 1990, we have compared the data submitted to the AHA in our hospital survey with the data published in the AHA Directory and "We find no discrepancy between these two sources; therefore we are still unable to identify the

reason the hospital characteristics published in the mortality report should differ so widely from what we submitted to AHA and what they published." Perhaps your office could look further into the matter to assure accuracy in the next Medicare Hospital Mortality Information report.

Comparison of our observed mortality rates to the predicted ranges per category displays St. Mary's in a favorable light for the fifth year with consistent occurrence of standardized mortality ratios (SMR's) near or well below the 75th percentile.

St. Mary's Medical Center is currently ranked as the third highest acute care facility in the State of Minnesota in Medicare patient acuity. With a patient population at this high level of severity and risk, the mortality data serves to reinforce the known quality of care rendered to our patients. As a part of our Medical Staff Quality Assessment and Improvement Program, clinical information on each mortality at St. Mary's is reviewed by a member of the Medical Staff in an effort to "continuously improve" the care provided at St. Mary's.

As a Regional Heart Center, we believe that the mortality rate comparisons for heart disease indicate the high quality of services provided to cardiovascular patients in this facility. St. Mary's and its medical staff also provide care to a high volume of patients in the complex specialties of Oncology, Pulmonary Disease, Gastrointestinal Disease and Orthopedics; here again, any of the standardized mortality ratios relating to these services depict favorable outcomes for the majority of the patients receiving care and treatment.

We believe that the manner in which we collect "Admission Source" has caused us to under-report Transfers from skilled nursing facilities (SNF). This results in an understating of the number of Medicare patients who are at risk for mortality. We will improve the manner in which we collect "Admission Source" data, and that improvement will be reflected in our data from 1992 into future years.

We anticipate that the preceding commentary will be included in the 1992 publication of our hospital mortality rates.

We would like to suggest, once again, that consideration be given to providing the patient listing on diskettes which could be downloaded to our patient data base. This would not only provide a simple and fast avenue to the verification process, but would also save on postal expenses for HCFA.

Sincerely,



Sister Kathleen Hofer, O.S.B.  
President

c: J.A. Cherveney, Executive Vice President  
Carol Spielman, Director, Clinical Data Services

# UNIVERSITY OF MINNESOTA

*The University of Minnesota Hospital and Clinic*

*Harvard Street at East River Parkway  
Minneapolis, MN 55455*

March 19, 1992

HOSPITAL I.D.: 240049

Gail R. Wilensky, Ph.D. Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Attention: Robert Moore

We appreciate the opportunity to review The University of Minnesota Hospital and Clinic's (UMHC's) 1990 mortality data for Medicare patients prior to publication.

All deaths which occur during hospitalization are reviewed by the appropriate medical staff as a part of UMHC's quality assurance program. This means that 60% of the 72 deaths identified in the Condition and Procedure categories and 50% of the total of 272 deaths identified in the FY 1990 report have been reviewed through that process. Of the 137 who died elsewhere, 56% had been transferred to other health care facilities upon their last discharge from UMHC.

The data displayed for two hospital characteristics provides a misleading representation of this hospital. This inaccurate picture is due to the structure of the questions on the AHA Annual Survey from which these characteristics have been extracted. The accurate representation for these characteristics are:

- A. Staffing: Medical Residents/Interns  
UMHC is a university, teaching hospital. There were 347 residents and interns providing patient care services during 1990. Because they were paid stipends by the University and not carried on the hospital's payroll, they could not be reported on the AHA Survey.
- B. Speciality Services: Cardiac Intensive Care  
UMHC's cardiac intensive care unit is physically a section of a medical intensive care unit. Consequently, it could not be separately identified on the AHA Survey. Functionally, UMHC does have a distinct cardiac intensive care unit with its own medical director.

We welcome HCFA's continuing efforts to refine the analysis and reporting of the data. However, the mortality rate fluctuations that occur as rates for prior years are recalculated based on revised analytic techniques highlight the fact that this data is still a very crude and unreliable basis for the public to assess the quality of care delivered.

Sincerely yours,

  
Robert Dickler  
General Director



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